



No. 49

6 DECEMBER 2003



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Imagery and Mapping Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at
<http://pollux.nss.nima.mil/>



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IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nima.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nima.mil.

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

Cover Photo: The **USNS GUADALUPE (T-AO 200)** is one of the Military Sealift Command's fourteen underway replenishment oilers and part of the 36 ships in the Naval Fleet Auxiliary Force (NFAF). NFAF ships are the lifeline to U.S. Navy ships at sea. By providing food, fuel, ammunition, spare parts and other supplies these ships enable our naval combatants to operate worldwide at the highest operational level possible. For years, the **GUADALUPE** has played a vital role in the re-supply of the Navy's Seventh Fleet ships operating in the Pacific. The **GUADALUPE** is 677 feet in length, has a beam of 97 feet, a draft of 35 feet and is crewed by civil service mariners. *Photo of USNS GUADALUPE courtesy of Military Sealift Command, Public Affairs Office.*

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 49/03

HYDROGRAM

**National Imagery and Mapping Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

6 December 2003

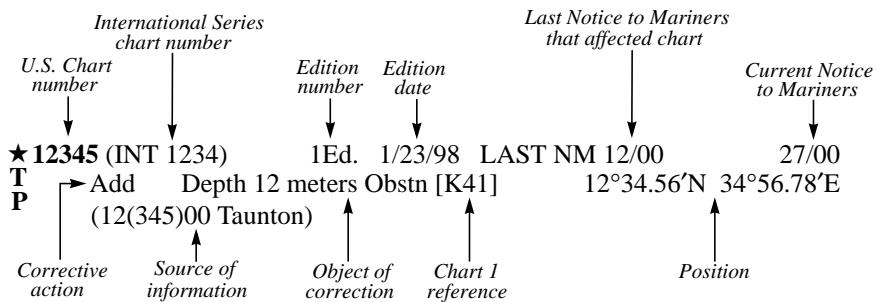
NOAA PRINT-ON-DEMAND NAUTICAL CHARTS AVAILABLE AT REMOTE PRINT SITES

MARINERS HAVE AT THEIR DISPOSAL A NEW MEANS TO OBTAIN UP-TO-DATE CHARTS.
SEE SECTION III.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
 - T indicates that it is temporary in nature.
 - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NIMA List of Lights.

Section II-5 lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

**SECTION I
CHART CORRECTIONS**

NM 49/03

1115A	Ed. 10/02 LAST NM 38/03 Add "SAFETY ZONE 147.827 (see note A)" [N2.1] bound by purple composite line joining (NOS)	49/03 29°06.1'N 87°56.8'W 29°06.7'N 87°56.8'W 29°06.7'N 87°56.2'W 29°06.1'N 87°56.2'W	★11360 40Ed. 10/02 LAST NM 38/03 Add "SAFETY ZONE 147.827 (see note A)" [N2.1] bound by purple composite line joining (NOS)	49/03 29°06.1'N 87°56.8'W 29°06.7'N 87°56.8'W 29°06.7'N 87°56.2'W 29°06.1'N 87°56.2'W
1116A	Ed. 6/03 LAST NM 46/03 Delete Wreck (ED) (NOS)	49/03 28°52.1'N 89°59.0'W 28°50.5'N 90°04.2'W	11362 4Ed. 6/10/00 LAST NM N38/03 Add "SAFETY ZONE 147.827 NOTE NO 1" [N2.1] bound by purple composite line joining (NOS)	N49/03 29°06.1'N 87°56.8'W 29°06.7'N 87°56.8'W 29°06.7'N 87°56.2'W 29°06.1'N 87°56.2'W
11006	31Ed. 9/03 LAST NM 47/03 Delete Buoy "A1" Dangerous wreck "cleared 18fms" (ED) Legend "Shoaling 1981" Relocate Buoy (mooring) "A" from 29°06.1'N 88°51.2'W to and change characteristic to Q Substitute Wreck [K29] (PA) for dangerous wreck (PA) Add "SAFETY ZONE 147.827 (see note A)" [N2.1] bound by purple composite line joining (NOS; NTM0002/2003)	49/03 29°14.6'N 88°29.3'W 28°52.0'N 89°59.0'W 28°50.5'N 90°03.5'W 29°07.0'N 88°51.5'W 28°45.0'N 89°48.8'W 29°06.1'N 87°56.8'W 29°06.7'N 87°56.8'W 29°06.7'N 87°56.2'W 29°06.1'N 87°56.2'W Dashed-line circle "Obstn" (PA) Depth 9 1/4 fathoms Obstn [K41] Platform [L10] with Racon (---) (NTM0002/2003)	11366 7Ed. 9/02 LAST NM 37/03 Delete Dangerous wreck "cleared 18fms" (ED) (NOS)	49/03 28°52.0'N 89°59.0'W 28°54.5'N 90°02.5'W 28°51.6'N 90°02.4'W 28°51.0'N 90°03.4'W
11323	60Ed. 9/03 LAST NM 47/03 Add Dangerous wreck [K28] (PA) (NTM0002/2003)	49/03 29°21'46"N 94°39'25"W	11373 43Ed. 9/03 LAST NM 48/03 Delete Dotted-line area centered Note: Legend "Obstn...20ft" remains Substitute Buoy "J" Y, Fl Y 2.5s (Priv) for light Change Range light, front to Fl 2.5s, Fl G 2.5s, Fl 4s 6M Add Fish haven area with blue tint [K46.2] bound by dotted line (limiting danger line) joining (NTM0002/2003)	49/03 30°12'19"N 88°49'52"W 30°12'19"N 88°49'52"W 30°20'09"N 88°30'46"W 30°12'11"N 88°50'01"W 30°12'27"N 88°50'01"W 30°12'27"N 88°49'43"W 30°12'11"N 88°49'43"W Position circle "Pile" [K43.1] (awash) (PA) 30°17'05"N 88°46'32"W
11324	33Ed. 9/03 LAST NM 47/03 Change Range light, front to Fl 2.5s 42ft (Day), Fl G 2.5s 39ft (Night), Fl G 2.5s 45ft 4M Range light, front to QG 25ft, QG 27ft 4M (NTM0002/2003)	49/03 29°20'53.6"N 94°47'31.2"W 29°22'39.8"N 94°48'43.7"W	11376 49Ed. 9/03 LAST NM 48/03 Change Characteristic of light "A" to Fl 6s (NTM0002/2003)	49/03 30°31'32"N 88°02'05"W
11329	35Ed. 9/03 LAST NM 48/03 Change Range light, front to QG 35ft (NTM0002/2003)	49/03 29°44'26.7"N 95°03'41.2"W	★11385 25Ed. 4/6/02 LAST NM 23/02 (Side B) Change Legend to "12 FT FOR A WIDTH OF 180 FT AUG 2003" (NOS)	49/03 30°23'21.5"N 86°30'43.0"W
11340	68Ed. 6/03 LAST NM 46/03 Delete Wreck (ED) Legend "Shoaling 1981" (NOS)	49/03 28°52.1'N 89°59.0'W 28°50.5'N 90°04.2'W	★11404 21Ed. 6/16/01 LAST NM 27/03 (Side A) Add Tabulation of controlling depths from Subsection I-2 (NOS)	49/03
11343	37Ed. 9/03 LAST NM 48/03 Change Height of light "42" to 35ft Range light, front to QR 22ft (NTM0002/2003)	49/03 30°01'28.9"N 94°01'41.5"W 29°59'31.0"N 93°47'02.4"W	11541 33Ed. 11/02 LAST NM 39/03 (Side A) Relocate Buoy "2" from 34°42'13"N 76°40'38"W to 34°42'11"N 76°40'41"W (39/03 CG5)	49/03
11358	52Ed. 6/03 LAST NM 41/03 Delete Wreck ("cleared 108ft") (ED) Danger circle "Shoaling" (PA) Danger circle "Shoaling" (PA) Danger circle "Shoaling" (PA) (NOS)	49/03 28°52'02"N 89°59'00"W 28°54'24"N 90°02'26"W 28°51'38"N 90°02'27"W 28°51'01"N 90°03'22"W	11545 60Ed. 9/02 LAST NM 43/03 Relocate Buoy "2" from 34°42'13"N 76°40'38"W to 34°42'11"N 76°40'41"W (39/03 CG5)	49/03
★11359	11Ed. 3/2/02 LAST NM 39/02 Delete Wreck "cleared...1979" (ED) Danger circle "Shoaling" (PA) Danger circle "Shoaling" (PA) Danger circle "Shoaling" (PA) (NOS)	49/03 28°52'02"N 89°59'00"W 28°54'23"N 90°02'29"W 28°51'35"N 90°02'27"W 28°51'01"N 90°03'22"W	★11547 35Ed. 3/30/02 LAST NM 43/03 Relocate Buoy "2" from 34°42'13.2"N 76°40'37.8"W to 34°42'11.4"N 76°40'41.0"W (39/03 CG5)	49/03

SECTION I

★12245	62Ed. 5/03 LAST NM 34/03 Delete Legend "40 FT 2001-2002" Depth 37 feet	49/03 36°56'59"N 76°19'51"W 36°57'18"N 76°19'59"W	(NOS)	Depth 23 feet Depth 23 feet	41°44'02.1"N 71°08'48.1"W 41°44'10.2"N 71°08'41.6"W
Change	Legend to "38 FT JUN 2003" Legend to "42 FT JUN 2003"	36°57'20"N 76°19'48"W 36°57'03"N 76°19'51"W			
Add	Dashed line (channel limit) between 36°56'57.9"N 76°19'43.4"W 36°56'59.9"N 76°19'58.9"W			Depth 23 feet Depth 23 feet Depth 23 feet	41°44'03.2"N 71°08'46.9"W 41°44'02.1"N 71°08'48.1"W 41°44'10.2"N 71°08'41.6"W
	Legend "41 FT MAY 2002" Legend "38 FT JUN 2003"	36°56'57.0"N 76°19'52.0"W 36°56'57.2"N 76°19'52.0"W			
	Tabulation of controlling depths from Subsection I-2				
	(NOS)				
★12252	23Ed. 5/12/01 LAST NM 45/03 Change Legend to "21 FT JAN 2003" (See 45/01-12252)	49/03 37°18'22"N 77°15'27"W			
★12281	49Ed. 5/13/00 LAST NM 48/03 Add Danger circle [K40] "Pipe" (PA) (39/03 CG5)	49/03 39°15'18"N 76°33'30"W			
12300	43Ed. 3/03 LAST NM 48/03 Change Fog signal of buoy "S" to WHIS (39/03 CG1)	49/03 40°26.6'N 73°55.1'W			
12301	21Ed. 9/15/01 LAST NM N48/03 Change Fog signal of buoy "S" to WHIS (39/03 CG1)	N49/03 40°26.6'N 73°55.0'W			
12324	30Ed. 11/02 LAST NM 8/03 (Side A) Change Fog signal of buoy "S" to WHIS (39/03 CG1)	49/03 40°26'32"N 73°55'00"W			
12326	49Ed. 6/03 LAST NM 35/03 Change Fog signal of buoy "S" to WHIS (39/03 CG1)	49/03 40°26'33"N 73°55'00"W			
★12327	97Ed. 9/03 LAST NM 48/03 Delete Buoy "3"	49/03 40°38'41"N 74°09'08"W			
	Relocate Buoy "5" from 40°39'04"N 74°08'55"W to 40°39'08"N 74°08'59"W				
	Change Fog signal of buoy "S" to WHIS Buoy "3A" to "2A" R, Fl R 6s	40°26'32"N 73°55'00"W 40°38'53"N 74°09'01"W			
	Add Buoy "3" G, Fl G 4s (38, 39/03 CG1)	40°38'58"N 74°09'11"W			
★12333	33Ed. 9/03 LAST NM 44/03 Delete Buoy "3"	49/03 40°38'41.6"N 74°09'08.8"W			
	Relocate Buoy "5" from 40°39'04.3"N 74°08'54.4"W to 40°39'07.6"N 74°08'58.6"W				
	Change Buoy "3A" to "2A" R, Fl R 6s	40°38'52.9"N 74°09'01.4"W			
	Add Buoy "3" G, Fl G 4s (38/03 CG1)	40°38'57.9"N 74°09'11.0"W			
★12372	31Ed. 8/02 LAST NM 45/03 (Page B) Add Buoy "WR30A" R, nun (39/03 CG1)	49/03 41°27'41.3"N 72°04'05.8"W			
13221	53Ed. 7/21/01 LAST NM 46/03 Add Depth 23 feet Depth 23 feet Depth 23 feet (NOS)	49/03 41°44'03"N 71°08'47"W 41°44'02"N 71°08'48"W 41°44'10"N 71°08'42"W			
13226	5Ed. 8/26/00 LAST NM 7/03 Add Depth 23 feet	49/03 41°44'03.2"N 71°08'46.9"W			
(continued on next page)					

SECTION I

NM 49/03

14044	(Continued) Superbuoy "ODAS" [Q58] Y, Fl(5) Y (24116)02 Ottawa	45°12'15.6"N 66°01'04.8"W	14380	19Ed. 9/16/95 LAST NM 15/01 Change Light to Fl G (44520)02 Ottawa	49°43.5'N 54°09.8'W
14046	2Ed. 12/24/94 LAST NM 47/03 Delete Buoy "MH" Buoy "MH2" Buoy "MH3" Buoy "MH4" HORN from light Light Light	45°13'09"N 64°15'05"W 45°10'50"N 64°14'57"W 45°08'24"N 64°13'48"W 45°07'23"N 64°13'57"W 45°06'31"N 64°13'31"W 45°04'01"N 64°10'14"W 45°02'38"N 64°08'47"W	★14758	Ed. 12/15/95 LAST NM N32/03 (Lower Panel) Delete Buoy "M" (17/03 CG9)	49°37'46"N 75°36'24"W
14085	6Ed. 5/20/95 LAST NM 41/01 Change Light to Fl G 6s 29ft 7M (44328)02 Ottawa	44°19'47.6"N 64°16'49.2"W	14786	13Ed. 9/8/01 LAST NM 24/02 (Page O-1) Delete Submarine cables (2) joining	49°28'22"N 76°31'03"W 43°27'45"N 76°31'47"W 43°27'42"N 76°31'47"W 43°27'37"N 76°31'53"W
14146	2Ed. 2/4/95 LAST NM 32/03 Change Light to L Fl 5 1/2s 45ft 13M, QR 25ft (44437)02 Ottawa	45°41'14"N 62°39'51"W		Add Color R to buoy "6" (12, 14/03 CG9)	43°27'35"N 76°30'38"W
14169	2Ed. 2/11/95 LAST NM 42/03 Change Light to L Fl 5 1/2s 14m 13M, QR 8m (44437)02 Ottawa	45°41'13.8"N 62°39'50.7"W	14803	26Ed. 1/31/98 LAST NM 5/03 Delete Submarine cable between (12/03 CG9)	43°28'18"N 76°31'12"W 43°27'45"N 76°31'54"W
14184	Ed. 2/19/99 LAST NM N47/03 Delete Marine farm symbol (24486)02 Ottawa	48°10'48.0"N 64°50'46.0"W	★14813	21Ed. 11/02 LAST NM 2/03 Delete Submarine cables (2) joining	43°28'23.5"N 76°31'02.2"W 43°27'43.2"N 76°31'50.8"W 43°27'42.0"N 76°31'53.0"W 43°27'37.2"N 76°31'54.0"W
14329	5Ed. 1/14/95 LAST NM 47/03 Add Buoy "QR3" G, pillar, Fl G 4s (64015)01 Ottawa	47°25.75'N 57°19.25'W		Add Color R to buoy "6" (12, 14/03 CG9)	43°27'35.3"N 76°30'37.9"W
14340	25Ed. 11/4/95 LAST NM 30/03 Change Light to Fl G 4s Characteristic of light to Fl G	47°29.2'N 56°03.0'W 47°36.3'N 55°54.1'W	14826	27Ed. 11/02 LAST NM 4/03 Delete Submarine cable between (12/03 CG9)	41°32'33"N 81°39'04"W 41°32'13"N 81°38'43"W
	Add Wreck [K29] Dangerous wreck [K28] Buoy "QR3" G, pillar, Fl G 4s Dangerous wreck [K28] (64015, 4644)01, 2(4016, 4626)02 Ottawa	47°34.5'N 56°09.5'W 46°48.7'N 55°44.7'W 47°25.8'N 57°19.3'W 47°14.3'N 55°57.1'W	14829	5Ed. 12/2/00 LAST NM 21/02 Delete Submarine cable between (12/03 CG9)	41°32'34"N 81°39'04"W 41°32'06"N 81°38'48"W
14341	5Ed. 6/3/95 LAST NM 47/03 Add Buoy "QR3" G, pillar, Fl G 4s (64015)01 Ottawa	47°25.75'N 57°19.25'W	14832	34Ed. 10/02 LAST NM 52/02 Delete Submarine cable joining	42°52'38"N 78°53'28"W 42°52'38"N 78°53'55"W 42°52'15"N 78°54'08"W
14342	20Ed. 6/24/95 LAST NM 30/03 Add Dangerous wreck [K28] (24626)02 Ottawa	47°14'19"N 55°57'07"W	★14833	25Ed. 5/24/97 LAST NM 43/03 Delete Submarine cable joining	42°52'38.3"N 78°53'28.5"W 42°52'38.3"N 78°53'56.2"W 42°52'15.0"N 78°54'08.2"W
14344	2Ed. 6/3/95 LAST NM 40/02 Add Light Q(6) + L Fl 15s to buoy "PBR" (124624)02 Ottawa	47°02'52"N 55°06'51"W	★14839	36Ed. 12/02 LAST NM 43/03 Delete Submarine cable between	41°32'35.6"N 81°39'04.2"W 41°32'10.5"N 81°38'40.0"W
14345	5Ed. 4/15/95 LAST NM 22/03 Add Buoy "PJF2" R, spar, Fl R 4s Light Q(6) + L Fl 15s to buoy "PBR" (4624), 12(4624)02 Ottawa	47°15.90'N 54°50.77'W 47°02.86'N 55°06.84'W	★14909	19Ed. 2/14/98 LAST NM 32/01 Relocate Buoy "4" from 45°30'53"N 86°43'56"W to 45°30'48"N 86°43'55"W Buoy "4" from 45°26'47"N 86°46'35"W to 45°26'44"N 86°46'30"W Buoy "2" from 45°18'19"N 86°56'17"W to 45°18'57"N 86°56'18"W Buoy "2A" from 45°11'41"N 86°59'45"W to 45°11'39"N 86°59'41"W (14/03 CG9)	49°03
14357	Ed. 1/10/86 LAST NM N52/02 Add Dangerous wreck [K28] (24016)02 Ottawa	46°48'42"N 55°44'42"W	★14924	27Ed. 4/27/02 LAST NM 5/03 Change Height of light to 33ft (14/03 CG9)	43°01'29.3"N 87°53'41.3"W
14373	2Ed. 3/4/95 LAST NM 34/03 Delete Light (74847)02 Ottawa	47°40'52"N 53°14'22"W	14961	11Ed. 8/28/99 LAST NM 47/03 Change Visibility (range) of light to 17 St M (14/03 CG9)	49°03

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14966	25Ed. 2/03 LAST NM 21/03 Change Visibility (range) of light to 17 St M (14/03 CG9)	49/03 46°46'48"N 92°05'15"W	Dashed-line circle and legend “Subm buoy (cov 26 feet)” Dashed-line circle and legend “Subm buoy (cov 40 feet)” Dashed-line circle and legend “Subm buoy (cov 47 feet)” Dashed-line circle and legend “Subm buoy (cov 26 feet)” Dashed-line circle and legend “Subm buoy (cov 120 feet)” (Cancels 47/03-16665)	61°13'55"N 149°58'34"W 61°16'41"N 149°53'40"W 61°16'29"N 149°52'56"W 61°15'08"N 149°55'14"W 61°15'51"N 149°53'50"W
★14975	33Ed. 10/02 LAST NM 43/03 Change Visibility (range) of light to 17 St M (14/03 CG9)	49/03 46°46'48.5"N 92°05'15.9"W		
15067	2Ed. 11/3/84 LAST NM 47/03 Add Light Fl R 4s to buoy “H8” (4/4728)02 Ottawa	49/03 53°30.10'N 60°00.60'W	Delete (Inset Anchorage) Dashed-line circle and legend “Subm buoy (cov 26 feet)” Dashed-line circle and legend “Subm buoy (cov 26 feet)” (NTM0022/2003)	61°13'55.2"N 149°58'34.2"W 61°15'08.4"N 149°55'14.4"W
15070	3Ed. 8/23/80 LAST NM 22/99 Add Light Fl R 4s to buoy “H6” (4/4728)02 Ottawa	49/03 53°34.36'N 59°56.75'W		
★16566	10Ed. 2/20/99 LAST NM 44/03 Add Submarine pipeline (sewer) [L41.1] between 56°17'53"N 158°23'13"W 56°17'55"N 158°23'15"W	49/03		
	(Inset Chignik Bay) Add Submarine pipeline (sewer) [L41.1] between 56°17'53"N 158°23'13"W 56°17'55"N 158°23'15"W (NOS)			
16660	28Ed. 9/8/01 LAST NM 47/03 Delete Dashed-line circle and legend “Subm buoy (cov 9 fathoms 2 feet)” Dashed-line circle and legend “Subm buoy (cov 8 fathoms 3 feet)” Dashed-line circle and legend “Subm buoy (cov 10 fathoms)” Dashed-line circle and legend “Subm buoy (cov 4 fathoms 2 feet)” Dashed-line circle and legend “Subm buoy (cov 6 fathoms 4 feet)” Dashed-line circle and legend “Subm buoy (cov 7 fathoms 5 feet)” Dashed-line circle and legend “Subm buoy (cov 4 fathoms 2 feet)” Dashed-line circle and legend “Subm buoy (cov 20 fathoms)” (Cancels 47/03-16660) (NTM0022/2003)	49/03 61°09.6'N 150°33.9'W 61°06.8'N 150°33.7'W 61°03.4'N 150°33.5'W 61°13.9'N 149°58.6'W 61°16.7'N 149°53.7'W 61°16.5'N 149°52.9'W 61°15.1'N 149°55.2'W 61°15.9'N 149°53.8'W		
16663	6Ed. 5/12/01 LAST NM 47/03 Delete Dashed-line circle and legend “Subm buoy (cov 9 fathoms 2 feet)” Dashed-line circle and legend “Subm buoy (cov 8 fathoms 3 feet)” Dashed-line circle and legend “Subm buoy (cov 10 fathoms)” Dashed-line circle and legend “Subm buoy (cov 4 fathoms 2 feet)” Dashed-line circle and legend “Subm buoy (cov 6 fathoms 4 feet)” Dashed-line circle and legend “Subm buoy (cov 7 fathoms 5 feet)” Dashed-line circle and legend “Subm buoy (cov 4 fathoms 2 feet)” Dashed-line circle and legend “Subm buoy (cov 20 fathoms)” (Cancels 47/03-16663) (NTM0022/2003)	49/03 61°09'39"N 150°33'54"W 61°06'49"N 150°33'41"W 61°03'22"N 150°33'29"W 61°13'55"N 149°58'34"W 61°16'41"N 149°53'40"W 61°16'29"N 149°52'56"W 61°15'08"N 149°55'14"W 61°15'51"N 149°53'50"W		
★16665	7Ed. 3/31/01 LAST NM 47/03 Delete Dashed-line circle and legend “Subm buoy (cov 56 feet)” Dashed-line circle and legend “Subm buoy (cov 51 feet)” Dashed-line circle and legend “Subm buoy (cov 60 feet)”	49/03 61°09'39"N 150°33'54"W 61°06'49"N 150°33'41"W 61°03'22"N 150°33'29"W		
17412	2Ed. 2/18/95 LAST NM 12/02 Add Submarine pipeline (sewer) [L41.1] between 53°17'05"N 131°58'02"W 53°17'01"N 131°57'08"W (7(3890)03 Ottawa)	49/03		
★17435	16Ed. 7/31/99 LAST NM 40/03 (Inset Metlakatla Harbor) Change Legend to “10 FT APR 2003” Legend to “13 FT APR 2003” Legend to “13 FT APR 2003” Legend to “8 FT 2003” (NOS)	49/03 55°07'40.9"N 131°34'13.4"W 55°07'50.6"N 131°35'08.6"W 55°07'45.9"N 131°35'06.6"W 55°07'46.8"N 131°35'01.2"W		
17460	Ed. 12/9/88 LAST NM N36/03 Add Submarine pipeline (sewer) [L41.1] between 53°17.1'N 131°58.0'W 53°17.0'N 131°57.1'W (7(3890)03 Ottawa)	N49/03		
17524	Ed. 9/26/97 LAST NM N15/03 (Plan A) Change Buoy “N24” to “ND” Y, pillar Buoy “N26” to “NE” Y, pillar Buoy “N28” to “NF” Y, pillar (7(3548)03 Ottawa)	N49/03 50°43'15.9"N 127°29'08.1"W 50°43'12.4"N 127°29'04.9"W 50°43'08.3"N 127°28'59.7"W		
18400	44Ed. 8/03 LAST NM 47/03 Delete Rock awash “Rep (1979)” Dangerous submerged rock “Rep” (NOS)	49/03 48°36.0'N 122°50.0'W 48°35.4'N 122°49.0'W		
18420	1Ed. 3/1/86 LAST NM 47/03 Delete Depth 12.9 meters Add Depth 9.8 meters Depth 9.7 meters Depth 9.7 meters Depth 5.5 meters Depth 9.8 meters (7(3476)03 Ottawa)	49/03 48°41'53.6"N 123°24'21.3"W 48°41'53.4"N 123°24'22.4"W 48°41'21.6"N 123°23'51.7"W 48°41'24.4"N 123°23'48.0"W 48°41'19.4"N 123°23'56.7"W 48°41'02.7"N 123°21'38.0"W		
18421	45Ed. 12/02 LAST NM 47/03 Delete Rock awash “Rep (1979)” Dangerous submerged rock “Rep (1973)” (NOS)	49/03 48°35'58"N 122°49'59"W 48°35'18"N 122°48'50"W		

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NM 49/03

18423	33Ed. 10/02 LAST NM 47/03 (Page C)	49/03	Depth 3 feet Depth 15 feet Depth 15 feet (NOS)	33°12'46.8"N 117°24'18.6"W 33°12'31.0"N 117°23'45.7"W 33°12'27.4"N 117°23'42.6"W
Delete	Rock awash "Rep (1979)"	48°35'58"N 122°49'59"W		
	Dangerous submerged rock "Rep (1973)"	48°35'20"N 122°48'51"W		
(NOS)				
★18430	7Ed. 4/27/02 LAST NM 22/03 Delete	49/03		
	Rock awash "Rep (1979)"	48°35'57.7"N 122°49'58.9"W		
	Dangerous submerged rock "Rep (1973)"	48°35'17.7"N 122°48'49.9"W		
(NOS)				
18652	32Ed. 7/03 LAST NM 48/03 (Page E)	49/03		
Add	Position circle "Piles" [F22]	38°01'57"N 121°44'14"W		
(NOS)				
★18660	2Ed. 5/03 LAST NM 43/03 (Lower Panel)	49/03		
Add	Position circle "Piles" [F22]	38°01'56.7"N 121°44'14.4"W		
(NOS)				
18661	27Ed. 2/03 LAST NM 43/03 (Side B)	49/03		
Add	Position circle "Piles" [F22]	38°01'57"N 121°44'14"W		
	(Side B, Inset)			
Add	Position circle "Piles" [F22]	38°01'56.7"N 121°44'14.4"W		
(NOS)				
18740	40Ed. 8/03 LAST NM 46/03 Add (NOS)	49/03		
	Depth 6 1/4 fathoms Wk [K26]	33°43.4'N 118°08.5'W		
18746	34Ed. 12/1/01 LAST NM 41/03 Substitute	49/03		
	Depth 6 1/4 fathoms Wk [K26] for dangerous wreck (Mast) (See 41/03-18746)	33°43'25"N 118°08'28"W		
(NOS)				
★18749	38Ed. 12/1/01 LAST NM 41/03 Substitute	49/03		
	Depth 43 feet Wk [K26] for 35 feet Obstrn	33°43'07.2"N 118°13'29.9"W		
	Depth 37 feet Wk [K26] for dangerous wreck (Mast) (See 41/03-18749)	33°43'25.3"N 118°08'28.0"W		
(NOS)				
★18751	42Ed. 12/1/01 LAST NM 46/03 Substitute	49/03		
	Depth 43 feet Wk [K26] for 35 feet Obstrn	33°43'07.2"N 118°13'29.9"W		
(NOS)				
★18758	6Ed. 6/02 LAST NM 33/03 Delete	49/03		
	Depth 15 feet	33°12'26.7"N 117°23'55.1"W		
	Depth 12 feet	33°12'43.1"N 117°24'18.9"W		
	Depth 4 feet	33°12'46.0"N 117°24'18.6"W		
	Depth 4 feet	33°12'47.2"N 117°24'18.6"W		
	Depth 4 feet	33°12'34.3"N 117°24'17.7"W		
	Depth 8 feet	33°12'39.4"N 117°24'18.5"W		
	Depth 8 feet	33°12'32.6"N 117°24'16.2"W		
	Depth 6 feet	33°12'38.0"N 117°24'18.4"W		
	Depth 2 feet	33°12'35.6"N 117°24'18.7"W		
	Depth 11 feet	33°12'29.7"N 117°24'13.4"W		
Change	Legend to "17 FEET MAR 2003"	33°12'16.4"N 117°24'06.5"W		
	Legend to "14 FEET MAR 2003"	33°12'28.8"N 117°23'53.2"W		
	Legend to "17 FEET FOR MID-WIDTH OF 175-270 MAR 2003"	33°12'34.0"N 117°24'14.5"W		
	Legend to "14 FEET FOR MID-WIDTH OF 150-175 MAR 2003"	33°12'44.8"N 117°24'16.6"W		
Add	Depth 10 feet	33°12'28.6"N 117°23'47.2"W		
	Depth 13 feet	33°12'46.9"N 117°24'13.9"W		
	Depth 12 feet	33°12'44.0"N 117°24'18.5"W		
	Depth 9 feet	33°12'45.4"N 117°24'18.6"W		
18774	10Ed. 6/1/02 LAST NM 16/03 (Inset)	49/03		
Change	Legend to "17 FEET MAR 2003"	33°12'22"N 117°24'05"W		
	Legend to "14 FEET MAR 2003"	33°12'28"N 117°23'53"W		
	Legend to "17 FEET FOR MID-WIDTH OF 175-270 FEET MAR 2003"	33°12'33"N 117°24'13"W		
	Legend to "14 FEET FOR MID-WIDTH OF 150-175 FEET MAR 2003"	33°12'51"N 117°24'12"W		
(NOS)				
23153	8Ed. 12/14/96 LAST NM 13/03 (Plan)	49/03		
Add	Buoy (mooring) [Q40]	51°41'26.5"S 57°51'35.7"W		
	Buoy (mooring) [Q40] (45(4948)03 Taunton)	51°41'27.8"S 57°51'32.0"W		
24155	6Ed. 5/16/92 LAST NM 46/03 Add	49/03		
	Chartlet, depicting changes in hydrography and aids to navigation, from Subsection I-2	23°00'00"S 44°00'00"W (6(24)03 Rio de Janeiro)		
24201	5Ed. 11/2/96 LAST NM 15/01 Add	49/03		
	Chartlet, depicting changes in hydrography, from Subsection I-2	12°58'00"S 38°31'00"W (10(49)03 Rio de Janeiro)		
24203	36Ed. 10/19/96 LAST NM 32/00 Add	49/03		
	Chartlet, depicting changes in hydrography, from Subsection I-2 (See 32/00-24203)	12°58'00"S 38°31'00"W (10(49)03 Rio de Janeiro)		
29105	5Ed. 11/8/97 LAST NM 9/01 Add	49/03		
	Depth 33 meters enclosed by depth contour (50-meter)	63°33.9'S 56°40.8'W (43(4704)03 Taunton)		
35009	19Ed. 12/2/95 LAST NM 14/03 Add	49/03		
	Depth 9.8 meters Depth 12 meters WK [K26]	54°40.2'N 1°08.3'W 54°41.9'N 1°09.5'W (43(4675), 4676, 4678)03 Taunton)		
35040	18Ed. 5/10/97 LAST NM 21/03 Substitute	49/03		
	Depth 8.5 meters Wk [K26] for 11.8 meters Wk	54°39'30"N 1°07'00"W (43(4675), 4676)03 Taunton)		
	Depth 9.8 meters Depth 12 meters Wk [K26]	54°40'13"N 1°08'16"W 54°41'53"N 1°09'32"W		
35042	9Ed. 1/18/97 LAST NM 14/03 Substitute	49/03		
	Depth 8.5 meters Wk [K26] for 11.8 meters Wk	54°39'36"N 1°07'08"W (43(4675), 4676)03 Taunton)		
	Depth 9.8 meters Depth 12 meters Wk [K26]	54°40'13"N 1°08'16"W 54°41'53"N 1°09'32"W		
35060	14Ed. 6/21/97 LAST NM 14/03 Add	49/03		
	Depth 62 meters (43(4678)03 Taunton)	55°52.2'N 1°12.0'W		
35080	16Ed. 4/17/99 LAST NM 40/02 Add	49/03		
	Depth 62 meters (43(4678)03 Taunton)	55°52.2'N 1°12.0'W		
37180	20Ed. 3/8/97 LAST NM 35/03 Delete	49/03		
	Legend "Buoyed Channel" (43(4716)03 Taunton)	53°07'39"N 0°22'00"E		

SECTION I

43285	5Ed.	9/11/93	LAST NM 44/03	49/03	44100	7Ed.	3/9/96	LAST NM 48/03	49/03
Change	Height of light to 6m		61°24'55"N 4°58'38"E		Add	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 040°	55°12.5'N 14°21.8'E		
	Characteristic of light to VQ(3) 5s		61°29'03"N 4°58'31"E			Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 220°	55°14.3'N 14°17.9'E		
	Light to Oc(2) WRG 8s 8m 11-8M with sectors red 286°-296°, green-008°, white-011°, red-044°, white-050°, green-062°, red-175°, green-191°		61°29'04"N 4°59'36"E		(44100)02 Norrkoping)				
(BA LL)									
43300	5Ed.	7/20/96	LAST NM 50/02	49/03	44120	7Ed.	2/22/97	LAST NM 48/03	49/03
Change	Characteristic of light to VQ(3)		61°29.1'N 4°58.5'E		Add	Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 040°	55°23.0'N 14°37.2'E		
(BA LL)						Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 040°	55°12.5'N 14°21.8'E		
43301	4Ed.	9/11/93	LAST NM 50/02	49/03		Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 220°	55°24.8'N 14°33.4'E		
Change	Height of light to 6m		61°24'56"N 4°58'37"E			Purple open-outlined dashed arrow indicating recommended flow of traffic [M11] oriented 220°	55°14.3'N 14°17.9'E		
(BA LL)					(44120)02 Norrkoping)				
43320	5Ed.	3/22/97	LAST NM 18/99	49/03	44160	7Ed.	4/5/97	LAST NM 48/03	49/03
Change	Visibility (range) of light to 3-2M		59°23.9'N 5°12.4'E		Add	Buoy G, spar	57°22.9'N 18°09.9'E		
	Characteristic of light to Iso WRG 4s		59°27.1'N 5°04.1'E			(Plan A)			
	Characteristic of light to Iso WRG 4s		59°28.8'N 5°13.5'E			Buoy G, spar, Fl G 3s	57°15'53"N 16°28'03"E		
Add	Light VQ(9) 10s 16m 4M		59°32.5'N 5°13.0'E			Buoy G, conical, Fl(2) G 6s	57°15'49"N 16°28'05"E		
(BA LL)						Buoy G, conical, Fl(2) G 6s	57°15'48"N 16°28'15"E		
43323	4Ed.	6/5/99	LAST NM 27/03	49/03		(3892), 10(980)03 Norrkoping; Swd CH 6241)			
Delete	Visibility (range) and green sector from light		59°46'58"N 5°06'14"E						
(BA LL)									
43324	4Ed.	9/18/99	LAST NM 27/03	49/03	44161	2Ed.	6/8/96	LAST NM 48/03	49/03
Delete	Visibility (range) and green sector from light		59°46'57"N 5°06'14"E		Add	(Panel B)	56°40'01.3"N 16°23'58.6"E		
	59°46'57"N 5°06'14"E					Buoy R, spar	56°39'55.3"N 16°24'02.7"E		
Change	Height of light to 8m		59°13'27"N 5°32'25"E			(Plan Kalmar)			
	Height of light to 14m		59°15'20"N 5°10'57"E			Buoy R, spar	56°40'01.3"N 16°23'58.6"E		
	Height of light to 4m		59°17'23"N 5°19'03"E			Buoy G, spar	56°39'55.3"N 16°24'02.7"E		
	Height of light to 10m		59°41'55"N 5°23'37"E			(3882)03 Norrkoping)			
	Height of light to 10m		59°25'46"N 5°07'35"E						
	Light to Q(9) 15s 2m		59°42'40"N 5°23'49"E						
	Characteristic of light to Iso WRG 4s		59°27'07"N 5°04'09"E						
	Characteristic of light to Iso WRG 4s		59°28'47"N 5°13'33"E						
	Characteristic of beacon to VQ(9) 10s		59°32'26"N 5°12'56"E						
(BA LL)									
43340	13Ed.	3/1/97	LAST NM 18/99	49/03	44182	4Ed.	5/28/94	LAST NM 48/03	49/03
Change	Visibility (range) of light to 3-2M		59°23.9'N 5°12.7'E		Add	Legend "NOTE NO 4"	59°18'09.0"N 18°05'05.0"E		
	Visibility (range) of light to 7-4M		59°25.4'N 5°07.9'E			Note No. 4 to NOTES			
	Visibility (range) of light to 8-5M		59°25.7'N 5°07.9'E			"4. Swing bridge (rail) non-operational, span in open position."	59°21'37.0"N 18°09'57.0"E		
	Characteristic of light to Iso WRG		59°27.1'N 5°04.5'E			(453)02 Norrkoping)			
	Characteristic of light to Iso WRG		59°28.8'N 5°13.8'E						
	Characteristic of light to VQ(9)		59°32.4'N 5°13.4'E						
(BA LL)									
43341	7Ed.	9/14/96	LAST NM 12/03	49/03	44183	6Ed.	4/19/97	LAST NM 46/03	49/03
Change	Light to FG 3M		58°59'51"N 5°46'06"E		Add	Dangerous submerged rock [K13]	59°28'55"N 18°33'17"E		
	Height of light to 8m		59°13'26"N 5°32'25"E			(10(973)03 Norrkoping)			
(BA LL)									
43342	7Ed.	10/3/98	LAST NM 26/03	49/03	44186	2Ed.	6/15/96	LAST NM 29/03	49/03
Change	Visibility (range) of light to 5-3M		59°02'56"N 5°36'28"E		Add	Dangerous submerged rock [K13]	59°28'55"N 18°33'17"E		
	Note: Sectors remain unchanged					(10(973)03 Norrkoping)			
	Light to FG 5m 3M		58°59'50"N 5°46'06"E						
(BA LL)									
43373	8Ed.	6/22/96	LAST NM 42/03	49/03	44281	2Ed.	4/6/96	LAST NM 45/03	49/03
Change	Legend to "OVHD CAB CL 16m"		58°54'23"N 11°09'49"E		Delete	"Under reclamation" area enclosed by shore and dashed line vicinity	65°30'35"N 22°23'05"E		
	Legend to "OVHD CAB CL 8m"		58°53'10"N 11°08'20"E			(43(591)02 Norrkoping)			
	(442)02 Norrkoping)								
43385	1Ed.	8/22/92	LAST NM 46/03	49/03	44283	2Ed.	4/6/96	LAST NM 45/03	49/03
Delete	Position circle "Pater Noster Tr"		57°53'46"N 11°27'58"E		Delete	"Area in process of being reclaimed" enclosed by shore and dashed line vicinity	65°30'35.0"N 22°23'05.0"E		
	(3896)03 Norrkoping)					(43(591)02 Norrkoping)			

(continued on next page)

SECTION I

NM 49/03

44340	(Continued)				
	Light Q to buoy	59°15.5'N 23°36.1'E		Wreck [K29] (10(183)02 Cadiz)	39°55.2'N 3°17.5'E
	Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s (6(73, 75, 76)03 Tallinn)	59°15.0'N 23°28.5'E			
44352	2Ed. 4/27/96 LAST NM 19/03 Delete Buoy	59°31'05.4"N 24°40'08.4"E			
Add	Range light [P20.1], front Oc R 3s 5m 2M 59°33'32.6"N 24°47'34.9"E		52141 5Ed. 5/25/96 LAST NM 46/03 Add Wreck [K29] Wreck [K29] (10(183)02 Cadiz)	49/03 39°55'30"N 3°17'07"E 39°55'11"N 3°17'31"E	
	Range light, rear Oc R 3s 7m 2M 59°33'30.5"N 24°47'38.8"E				
	Range line extending in 317°12' direction from above rear light dashed for 100 meters, thence solid for 2000 meters		53031 1Ed. 5/2/92 LAST NM 31/03 Add Wreck [K29] (10(183)02 Cadiz)	49/03 39°55.3'N 3°17.3'E	
	Legend "Lts in line 137°12'" along above range line 59°34'03.0"N 24°46'43.0"E		54407 4Ed. 1/27/96 LAST NM 37/03 Add Buoy (mooring) [Q40] (19(89)03 Istanbul)	49/03 37°00.2'N 27°13.3"E	
	Light Fl G 3s 5m 2M 59°33'32.4"N 24°47'37.2"E Depth 2.5 meters Obstr [K41] 59°33'18.9"N 24°33'12.0"E		54418 4Ed. 10/5/96 LAST NM 37/03 Add Buoy (mooring) [Q40] (19(89)03 Istanbul)	49/03 37°00'11.4"N 27°13'16.2"E	
	Buoy BY, pillar, double cone topmark points upward 59°34'07.8"N 24°46'13.8"E (6(69, 70, 72, 73)03 Tallinn; Est LL)		54421 6Ed. 3/17/01 LAST NM 46/03 Delete Buoy ODAS (23(107)03 Istanbul)	49/03 36°41'02"N 28°46'28"E	
44400	4Ed. 9/7/96 LAST NM 41/03 Relocate Buoy from 58°12.9'N 22°28.1'E to (See 19/03-44400)	58°12.5'N 22°28.1'E	55041 7Ed. 5/13/95 LAST NM 43/03 (Panel A) Add "PROHIB AREA" [N2.2] bound by shore and purple composite line joining	49/03 40°09'22.2"N 26°24'33.3"E 40°09'20.4"N 26°24'28.8"E 40°09'46.2"N 26°24'04.8"E 40°10'30.6"N 26°24'01.2"E 40°10'51.0"N 26°24'10.8"E 40°11'14.4"N 26°24'13.2"E 40°11'31.2"N 26°24'15.0"E 40°11'45.0"N 26°23'55.8"E 40°11'50.4"N 26°24'00.0"E 40°12'05.4"N 26°24'52.2"E 40°12'01.0"N 26°25'00.6"E	
Change	Buoy to G, pillar, Fl G 3s	58°52.1'N 23°03.3'E			
Add	Buoy G, spar Depth 5.7 meters Wk [K26] (6(78, 79), 7(90, 93)03 Tallinn)	58°12.9'N 22°30.5'E 58°19.6'N 24°25.0'E			
44401	7Ed. 9/29/01 LAST NM 41/03 Delete Depth 5.7 meters	57°00'28.7"N 23°56'02.8"E	(Panel B) Add "PROHIB AREA" [N2.2] bound by shore and purple composite line joining	49/03 40°09'22.2"N 26°24'33.0"E 40°09'20.4"N 26°24'29.8"E 40°09'46.2"N 26°24'04.8"E 40°10'30.6"N 26°24'01.2"E 40°10'51.0"N 26°24'10.8"E 40°11'14.4"N 26°24'13.2"E 40°11'31.2"N 26°24'15.0"E 40°11'45.0"N 26°23'55.8"E 40°11'50.4"N 26°24'00.0"E 40°12'05.4"N 26°24'52.2"E 40°12'01.0"N 26°25'00.6"E	
Add	Depth 4.6 meters 57°00'50.7"N 23°55'35.9"E Depth 2.6 meters 57°00'45.5"N 23°55'43.7"E Depth 1.4 meters 57°00'40.7"N 23°55'50.6"E Depth 4.2 meters 57°00'35.8"N 23°55'55.6"E Depth 6.9 meters 57°00'29.7"N 23°56'05.1"E Depth 7.2 meters 57°00'24.6"N 23°56'05.2"E				
	Depth 4.6 meters enclosed by depth contour (5-meter) 57°00'40.2"N 23°55'48.7"E				
	Depth 4.6 meters enclosed by depth contour (5-meter) 57°00'33.5"N 23°55'56.7"E				
	Depth 3.9 meters enclosed by depth contour (5-meter) 57°00'29.7"N 23°55'59.6"E				
	(9(108, 110)03 Riga)				
44410	4Ed. 2/8/97 LAST NM 45/03 Relocate Buoy from 57°59.1'N 22°25.7'E to (6(80)03 Tallinn)	57°59.1'N 22°26.0'E	55047 8Ed. 9/16/00 LAST NM 41/03 Substitute Depth 0.8 meter for 2.8 meters	49/03 41°01'16.8"N 29°00'22.2"E	
44420	6Ed. 12/14/96 LAST NM 44/03 Add Buoy G, spar (10(980)03 Norrkoping)	57°22.9'N 18°09.9"E	Add Depth 1.6 meters Depth 0.9 meter (19(87)03 Istanbul)	49/03 41°01'14.4"N 29°00'13.8"E 41°01'06.6"N 29°00'21.6"E	
52031	1Ed. 2/1/92 LAST NM 48/03 Add Wreck [K29] (10(183), 52(907)02 Cadiz)	39°55.3'N 3°17.3'E 38°40.0'N 0°16.0"E	63320 8Ed. 7/23/94 LAST NM 37/03 Add Light vessel [P7] "Eastern Channel" R, Fl 10s 12M Racon (2(57)03 Dehra Dun; BA LL)	49/03 21°04.2'N 88°11.1"E	
52080	14Ed. 2/8/97 LAST NM 48/03 Add Wreck [K29] (52(907)02 Cadiz)	38°40.0'N 0°16.0"E	63321 6Ed. 9/26/98 LAST NM 37/03 Delete Buoy "Sagar 4" Buoy Buoy Buoy "Eastern Channel"	49/03 21°37'14"N 88°02'05"E 21°29'59"N 88°06'20"E 21°27'08"N 88°07'05"E 21°04'15"N 88°11'03"E	
52088	2Ed. 3/30/96 LAST NM 26/03 Add Wreck [K29] (52(907)02 Cadiz)	38°40'00"N 0°16'00"E	Relocate Buoy "III S" from 21°39'16"N 88°01'21"E to Buoy "SD" from 21°37'30"N 88°00'23"E to	49/03 21°39'11"N 88°01'25"E 21°37'17"N 88°00'24"E	
52140	6Ed. 3/30/96 LAST NM 46/03 Add Wreck [K29]	39°55.5'N 3°17.1'E			(continued on next page)

SECTION I

63321	(Continued)		
	Buoy "Middleton II" from 21°35'28"N 88°03'38"E to and change light to Fl(3) 10s	21°35'23"N 88°03'44"E	Buoy "Middleton I" from 21°35'48"N 88°04'12"E to 21°35'46"N 88°04'15"E
	Buoy "Middleton III" from 21°34'12"N 88°05'10"E to	21°34'08"N 88°05'29"E	Buoy "Middleton II" from 21°35'28"N 88°03'38"E to and change light to Fl(3) 10s 21°35'23"N 88°03'44"E
	Buoy "Middleton VI" from 21°32'11"N 88°06'07"E to	21°32'24"N 88°05'44"E	Buoy "Middleton III" from 21°34'12"N 88°05'10"E to 21°34'08"N 88°05'29"E
Add	Light vessel [P7] "Eastern Channel" R, Fl 10s 12M Racon	21°04'11"N 88°11'05"E	Buoy "Middleton VI" from 21°32'11"N 88°06'07"E to (See 9/03-63321) 21°32'24"N 88°05'44"E
Delete	(Continuation)		Characteristic of buoy "Jellingham II" to Q 21°55'17"N 88°00'53"E
	Buoy	21°57'59"N 88°02'30"E	Buoy to "Jellingham III" R, can, Fl(3) 15s 21°51'34"N 87°59'55"E
	Buoy "UBS"	21°53'00"N 88°04'29"E	Buoy to "Middleton Fairway" G, conical, Fl 10s 21°37'40"N 88°02'40"E
	Buoy "ABB"	21°49'54"N 87°59'54"E	
	Buoy "MC V"	21°47'00"N 88°03'24"E	
	Buoy "BS-VI"	21°43'57"N 88°02'24"E	
	Buoy "Sagar 4"	21°37'14"N 88°02'05"E	
Relocate	Buoy "N-I" from 22°02'21"N 88°11'22"E to and delete light	22°02'19"N 88°11'25"E	Add Buoy "UBS" R, can, Fl(2) 15s 21°52'55"N 88°04'52"E
	Buoy "NG-I" from 22°02'14"N 88°10'23"E to	22°02'08"N 88°10'23"E	Buoy "ABB" G, conical, Fl G 7s 21°49'47"N 87°59'36"E
	Buoy "CR" from 22°01'54"N 88°11'54"E to	22°01'52"N 88°12'10"E	Buoy "MC-V" G, conical, Fl 7s 21°46'25"N 88°03'27"E
	Buoy "B-III" from 22°01'44"N 88°08'19"E to and delete light	22°01'43"N 88°08'25"E	Buoy "WMC" R, can, QR 21°45'41"N 88°03'21"E
	Buoy "B-IV" from 22°01'21"N 88°07'13"E to and delete light	22°01'19"N 88°07'16"E	Buoy "BS-VI" R, can, Fl(2) R 10s 21°43'57"N 88°02'28"E
	Buoy "LEH" from 22°00'51"N 88°04'58"E to and change light to Fl 7s	22°00'49"N 88°05'01"E	(2/57)03 Dehra Dun; BA LL)
	Buoy "LR" from 22°00'33"N 88°11'22"E to and delete light	22°00'31"N 88°11'23"E	
	Buoy "USF" from 21°59'17"N 88°02'37"E to	21°59'25"N 88°02'42"E	
	Buoy "UST" from 21°58'51"N 88°09'38"E to	21°59'25"N 88°10'30"E	
	Buoy "SF" from 21°58'33"N 88°02'12"E to	21°58'34"N 88°02'19"E	
	Buoy "UMP" from 21°55'32"N 88°07'14"E to	21°55'37"N 88°07'15"E	
	Buoy "LMP" from 21°54'28"N 88°06'15"E to and delete light	21°54'36"N 88°06'28"E	
	Buoy "WBS" from 21°54'24"N 88°04'38"E to	21°54'17"N 88°04'41"E	
	Buoy "EBS" from 21°53'42"N 88°05'47"E to and delete light	21°53'51"N 88°05'43"E	
	Buoy "MC-I" from 21°51'16"N 88°02'47"E to	21°51'13"N 88°02'50"E	
	Buoy "AS" from 21°47'06"N 87°58'14"E to	21°47'05"N 87°57'59"E	Add Buoy "UR" G, conical 22°03'21.0"N 88°12'45.6"E
	Buoy "MC-IV" from 21°47'09"N 88°03'00"E to	21°47'05"N 88°03'01"E	Buoy "LEH" G, conical, Fl 7s 22°00'48.6"N 88°05'00.6"E
	Buoy "LBF" from 21°43'27"N 88°02'36"E to and delete light	21°43'28"N 88°02'44"E	
	Buoy "III S" from 21°39'16"N 88°01'21"E to	21°39'11"N 88°01'25"E	(Plan) Delete Buoy "LEH" 22°00'51.2"N 88°04'58.4"E
	Buoy "SD" from 21°37'30"N 88°00'23"E to	21°37'17"N 88°00'24"E	Relocate Buoy "UEH" from 22°01'26.0"N 88°06'05.0"E to 22°01'22.8"N 88°06'05.4"E

(continued on next page)

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NM 49/03

63322	(Continued)				
	Buoy "CEH" from 22°01'06.6"N 88°05'34.7"E to	22°01'04.8"N 88°05'38.4"E			
Add	Buoy "LEH" G, conical, Fl 7s (257)03 Dehra Dun)	22°00'48.6"N 88°05'00.6"E			
74024	7Ed. 6/24/95 LAST NM 36/03 Delete Dangerous rock symbols (3) in vicinity (See 50/98-74024)	49/03 24°50.0'S 113°37.0"E			
Substitute	Depth 4.2 meters for 4.5 meters	24°46.1'S 113°34.6"E			
Add	Depth 11 meters (17(558)03 Wollongong)	24°45.5'S 113°27.3"E			
74182	12Ed. 2/13/99 LAST NM 42/03 Delete Dangerous wreck and buoy (See 10/03-74182) (17(563)03 Wollongong)	49/03 27°32'37"S 153°19'08"E			
74392	7Ed. 8/2/97 LAST NM 25/03 Relocate Buoy from 12°04.40"S 131°10.62"E to 12°04.29"S 131°10.70"E	49/03			
Substitute	Depth 13.1 meters Wk [K26] for dangerous wreck (19(627, 628)03 Wollongong)	12°04.35"S 131°10.80"E			
74455	3Ed. 6/7/97 LAST NM 38/03 Add Rock which covers and uncovers [K11] "Rep (2003)" (18(599)03 Wollongong)	49/03 15°05.9"S 124°57.5"E			
74530	2Ed. 4/26/97 LAST NM 36/03 Delete Dangerous submerged rock Dangerous submerged rock Dangerous submerged rock	49/03 24°49.9"S 113°37.3"E 24°50.0"S 113°36.8"E 24°50.3"S 113°36.8"E			
Substitute	Depth 4.2 meters for 4.5 meters Depth 4.2 meters for 4.5 meters	24°46.1"S 113°34.6"E 24°47.6"S 113°34.9"E			
Add	Depth 11 meters Depth 4.2 meters Depth 4.2 meters (17(558)03 Wollongong)	24°45.5"S 113°27.3"E 24°47.6"S 113°34.4"E 24°48.6"S 113°34.6"E			
74535	2Ed. 9/13/97 LAST NM 38/03 Delete Dangerous submerged rock Dangerous submerged rock Dangerous submerged rock	49/03 24°49.9"S 113°37.3"E 24°50.0"S 113°36.8"E 24°50.3"S 113°36.8"E			
Substitute	Depth 4.2 meters for 4.5 meters Depth 4.2 meters for 4.5 meters	24°46.1"S 113°34.6"E 24°47.6"S 113°34.9"E			
Add	Depth 11 meters (17(558)03 Wollongong)	24°45.5"S 113°27.3"E			
75172	5Ed. 4/16/83 LAST NM 39/02 Delete "Mussel Culture" area in vicinity	49/03 38°27.30"S 145°03.20"E			
Add	"Marine Farm (See Note)" area bound by purple dashed line joining	38°26.66"S 145°03.53"E 38°27.32"S 145°04.36"E 38°28.40"S 145°02.51"E 38°28.13"S 145°02.05"E 38°27.33"S 145°03.01"E 38°27.21"S 145°02.77"E			
	Note from Subsection I-2 (17(561)03 Wollongong)	38°16.85"S 145°12.27"E			
75207	2Ed. 11/9/96 LAST NM 43/03 Relocate Light from 41°07'19.2"S 146°49'04.8"E to 41°07'16.8"S 146°49'03.1"E (See 33/03-75207) (17(559)03 Wollongong)	49/03			
81048	8Ed. 2/27/93 LAST NM 43/03 Add Danger circle [K40] "Obstn Rep (2003)" (NOS)	49/03 13°25'16"N 144°38'19"E			
*81054	13Ed. 2/03 LAST NM 28/03 Delete Depth 17 feet Depth 32 feet Depth 33 feet Depth 100 feet	49/03 13°27'40.2"N 144°39'42.0"E 13°25'55.5"N 144°40'22.9"E 13°25'46.8"N 144°40'20.4"E 13°27'33.6"N 144°37'57.9"E			
	Substitute Depth 27 feet for 32 feet Depth 27 feet Obstn [K41] "Rep (2003)" for 35 feet	13°25'50.0"N 144°40'26.0"E 13°25'14.8"N 144°40'08.9"E			
	Add Depth 32 feet Depth 27 feet Depth 57 feet Depth 12 feet Depth 17 feet Depth 9 feet Depth 10 feet Depth 5 feet Depth 45 feet Depth 12 feet Depth 38 feet Depth 27 feet Depth 15 feet Depth 27 feet Depth 29 feet Depth 29 feet Depth 26 feet Depth 28 feet Depth 32 feet Depth 38 feet Wk [K26] Depth 58 feet Wk [K26] Stranded wreck [K24] Depth 27 feet Wk [K26]	13°25'55.5"N 144°40'22.9"E 13°27'15.9"N 144°37'52.2"E 13°27'01.0"N 144°38'55.8"E 13°27'39.9"N 144°39'42.4"E 13°27'36.2"N 144°40'22.4"E 13°27'31.9"N 144°40'20.2"E 13°27'31.4"N 144°40'18.2"E 13°27'12.6"N 144°39'55.1"E 13°27'00.6"N 144°39'54.8"E 13°26'53.3"N 144°39'32.5"E 13°26'46.8"N 144°39'58.6"E 13°26'51.9"N 144°40'19.0"E 13°27'01.3"N 144°40'18.7"E 13°26'12.8"N 144°39'41.9"E 13°26'00.9"N 144°40'26.7"E 13°25'56.0"N 144°40'23.5"E 13°25'53.6"N 144°40'26.9"E 13°25'47.0"N 144°40'21.0"E 13°25'52.8"N 144°40'03.6"E 13°27'34.1"N 144°39'58.4"E 13°27'32.6"N 144°39'43.6"E 13°26'49.1"N 144°40'13.1"E 13°26'06.6"N 144°40'24.3"E			
	Danger circle [K40] "Obstn Rep (2003)" (NOS)	13°25'15.6"N 144°38'19.3"E			
93650	2Ed. 11/4/95 LAST NM 28/03 Add Dangerous wreck [K28] (PA) (36(767)03 Tianjin)	49/03 21°25.7"N 109°00.9"E			
93652	2Ed. 5/4/96 LAST NM 24/03 Add Dangerous wreck [K28] (PA)	49/03 21°25'42.4"N 109°00'51.7"E (Plan) Add Dangerous wreck [K28] (PA) (36(767)03 Tianjin)			
93720	10Ed. 8/12/95 LAST NM 48/03 Add Dangerous wreck [K28] (PA) (36(765)03 Tianjin)	49/03 22°07.6"N 113°38.5"E			
93721	5Ed. 6/5/99 LAST NM 48/03 Add Dangerous wreck [K28] (PA) (36(765)03 Tianjin)	49/03 22°07'37"N 113°38'31"E			
93725	6Ed. 12/12/98 LAST NM 24/03 Add Dangerous wreck [K28] (PA) (36(765)03 Tianjin)	49/03 22°07'37.2"N 113°38'31.1"E			
93730	3Ed. 6/29/96 LAST NM 48/03 Add Dangerous wreck [K28] (PA) (36(765)03 Tianjin)	49/03 22°07.6"N 113°38.5"E			
95267	5Ed. 8/18/84 LAST NM 36/03 Change Visibility (range) of light to 3M Visibility (range) of light to 3M (39(1475)03 Tokyo)	49/03 37°03'32"N 136°43'14"E 37°03'19"N 136°43'15"E			
97100	4Ed. 8/8/98 LAST NM 26/03 Change Visibility (range) of light to 4M (39(1476)03 Tokyo)	49/03 36°34'34"N 140°39'37"E			

97120	6Ed. 8/9/97 LAST NM 45/03 Change Light to Fl R 3s 7M (39(1478)03 Tokyo)	49/03 35°15.9'N 139°44.0'E
97140	17Ed. 6/28/97 LAST NM 46/03 Change Light to Fl R 3s 7M (39(1478)03 Tokyo)	49/03 35°15.9'N 139°44.0'E
97143	11Ed. 9/25/93 LAST NM 44/03 Change Light to Fl R 3s 7M (39(1478)03 Tokyo)	49/03 35°15'40"N 139°44'12"E
97144	14Ed. 6/22/02 LAST NM 44/03 Change Light to Fl R 3s 11m 7M (39(1478)03 Tokyo)	49/03 35°15'52"N 139°44'00"E
97150	13Ed. 1/3/98 LAST NM 42/03 Delete Buoy Add Buoy R, pillar, cone topmark, Mo(A) R 8s (35(1345)03 Tokyo)	49/03 35°31'25.0"N 139°47'39.0"E 35°31'26.8"N 139°47'34.0"E
97151	16Ed. 7/5/97 LAST NM 25/03 Delete Buoy Add Buoy R, pillar, cone topmark, Mo(A) R 8s (35(1345)03 Tokyo)	49/03 35°31'25.0"N 139°47'39.0"E 35°31'26.8"N 139°47'34.0"E
97220	3Ed. 12/30/95 LAST NM 46/03 Add Dashed line with legend "Under construction" joining 34°39'16.9"N 135°22'30.2"E 34°39'20.2"N 135°22'24.5"E 34°39'36.8"N 135°22'38.0"E 34°39'33.5"N 135°22'43.6"E (39(1479)03 Tokyo)	49/03 34°39'16.9"N 135°22'30.2"E 34°39'20.2"N 135°22'24.5"E 34°39'36.8"N 135°22'38.0"E 34°39'33.5"N 135°22'43.6"E
97225	31Ed. 1/21/95 LAST NM 46/03 Add Dashed line with legend "Under construction" joining 34°39'05"N 135°22'40"E 34°39'08"N 135°22'34"E 34°39'25"N 135°22'48"E 34°39'22"N 135°22'53"E (39(1479)03 Tokyo)	49/03 34°39'05"N 135°22'40"E 34°39'08"N 135°22'34"E 34°39'25"N 135°22'48"E 34°39'22"N 135°22'53"E
97228	15Ed. 1/24/98 LAST NM 35/03 Add Dashed line with legend "Under construction" joining 34°39'16.9"N 135°22'30.2"E 34°39'20.2"N 135°22'24.5"E 34°39'36.8"N 135°22'38.0"E 34°39'33.5"N 135°22'43.6"E (39(1479)03 Tokyo)	49/03 34°39'16.9"N 135°22'30.2"E 34°39'20.2"N 135°22'24.5"E 34°39'36.8"N 135°22'38.0"E 34°39'33.5"N 135°22'43.6"E
97278	11Ed. 4/14/90 LAST NM 39/03 Change Visibility (range) of light to 5M (39(1480)03 Tokyo)	49/03 32°59'24"N 132°30'09"E
97397	7Ed. 8/29/92 LAST NM 44/03 Add Depth 5.7 meters enclosed by danger circle [K1] "Magnetic Meter" (39(1481)03 Tokyo)	49/03 33°08'40"N 129°42'30"E
97400	4Ed. 5/3/03 LAST NM 44/03 Substitute Depth 5.7 meters enclosed by danger circle [K1] "Magnetic Meter" for danger circle "Obstn (marked by buoys)" (See 34/03-97400) (39(1481)03 Tokyo)	49/03 33°08'40.4"N 129°42'30.2"E

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Chart 24155

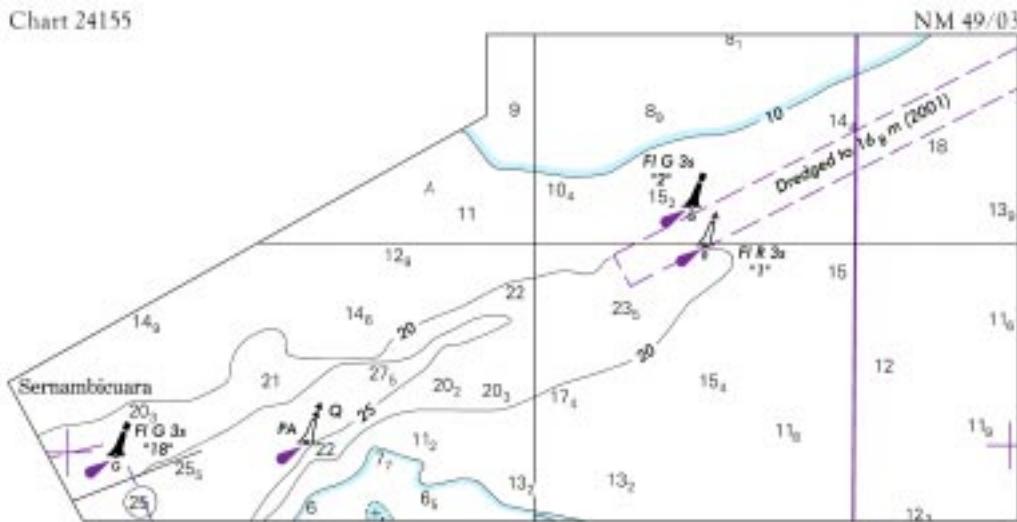
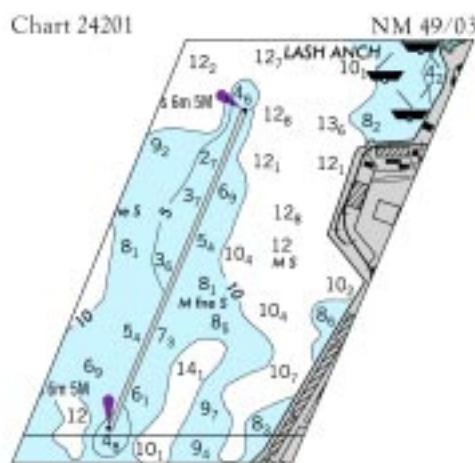


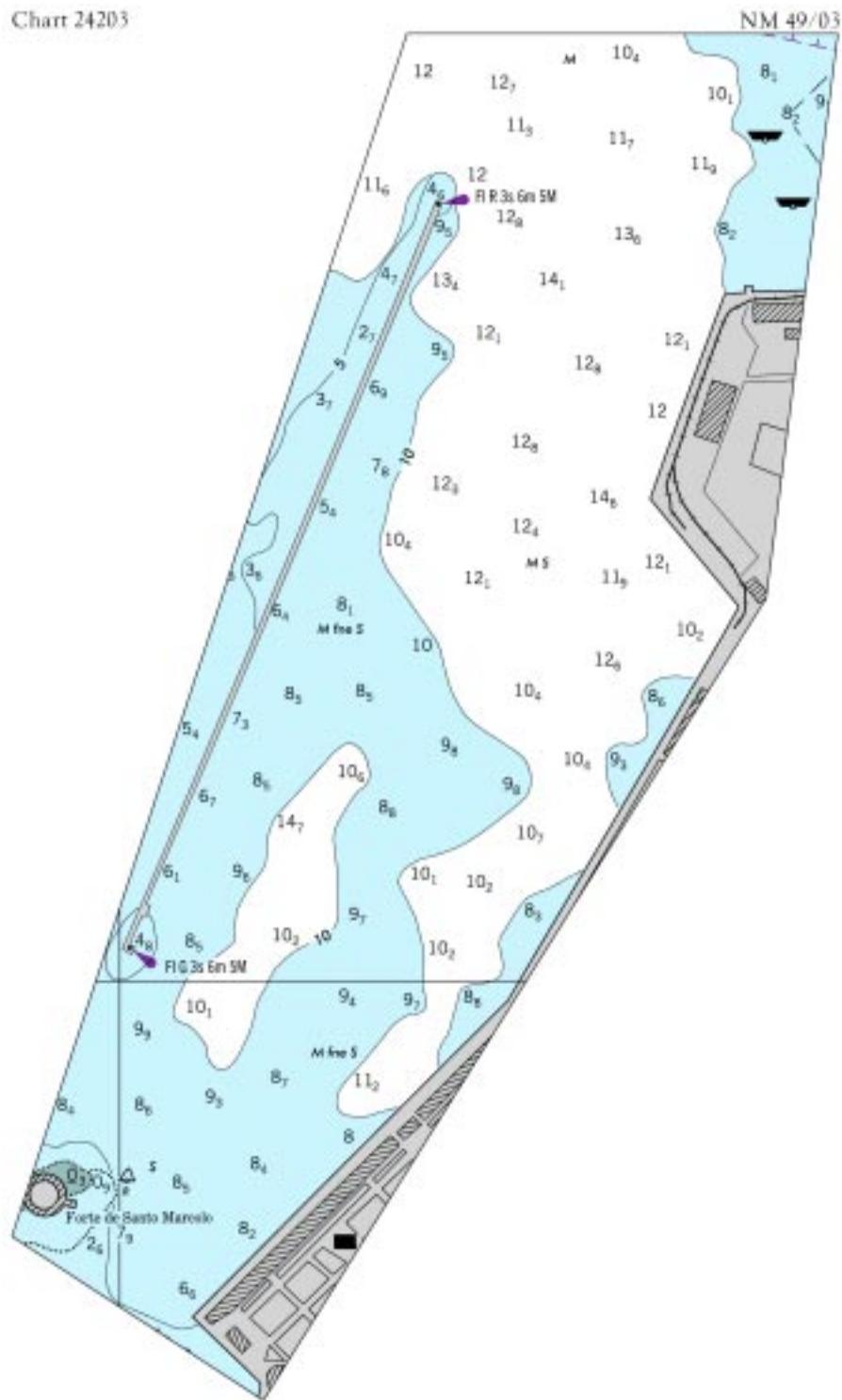
Chart 24201



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Chart 24203



SECTION I

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Chart 11404 (Side A)

NM 49/03

CARRABELLE HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
CARRABELLE HARBOR ENTRANCE CHANNEL	9.5	15.3	13.0	1-8-97; 8-03	150	2.3
HARBOR CHANNEL	16.4	15.6	11.8	8-03	150	0.6
TURNING BASIN	6.3	13.8	10.0	8-03	500	0.1
TURNING BASIN TO BRIDGE (29°50'58.8"N, 064°40'36.7"W)	8.6	10.0	9.3	8-03	100	0.6
BRIDGE TO 3 MILES NORTH	3.4	7.8	2.9	8-03	80	3.0

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12245

NM 49/03

NORFOLK HARBOR AND NEWPORT NEWS CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO FEB 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)
NORFOLK HARBOR ENTRANCE REACH	50.3	51.5	52.9	52.0	4-99	1000
NORFOLK HARBOR REACH	51.3	50.8	45.6	45.4	9,10-02	1250-800
CRANEY ISLAND REACH	48.8	51.5	50.8	46.1	9,10-02	800
NEWPORT NEWS CHANNEL	48.7	50.7	50.7	50.4	2-03	800

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 75172 NM 49/03
MARINE FARMS

Marine farms, which may be floating or fixed structures and their associated moorings should be avoided. The farms are generally marked by buoys or beacons, which may be lit. Their charted positions are approximate.

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 49/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	45/02	11305	1	N36,N46/02;N1,N6,N7, N32/03	11367	32	38*,45,46/03	11479	4	N35,N50/02;N6,N23, N25,N31,N34,N40/03
20	3	18/03	11307	36	22,24,27,35/03	11368	22	38/02*,19,21,23,30,33, 34,35,45,46/03	11480	38	30/03*
22	1	18/03	11308	22	3*,7,10,23,25,32/03	11369	44	9*,18,19,21,27,43/03	11481	4	42*,49/02;6,12,13,19,28, 34/03
50	6	32*,34,40/03	11309	37	48/03*	11370	24	38/03*	11484	21	34/03
53	2	34/03	11310	1	N46/02;N22,N23,N32/03	11371	36	35*,48/03	11485	33	22/03*
70	4	7,34/03	11311	23	46/02;26/03	11372	30	2*,7,8,10,19,23,24,26,27, 31,42,44/03	11486	15	36/03*
71	4	7,34/03	11312	3	36,46/02;1,6,7,22,23, 32/03	11373	43	48*,49/03	11488	24	7,17/03
72	4	7/03	11313	22	22,27,36/03	11374	31	45*,49,50/02;1,2,7,8,9, 19,20,23,24,26,27,29,34, 36,38/03	11489	34	8*,12,20,22,31/03
73	4	34/03	11314	22	17*,21,22,32/03	11375	35	1*,2,5,7,9,20,23,24,27, 29,47/03	11491	33	34,37,38/02;12,30,34/03
101	3	48/02	11315	31	48/03*	11376	49	48*,49/03	11493	9	N39/02;N12,N20,N22, N31/03
103	5	16/03	11316	39	17*,22,26,29,34/03	11377	5	38*,44/03	11494	8	N39/02;N22/03
108	9	35/02;34,39/03	11317	29	37,40,49/02;16,19,20,21, 23,26,29,30,34/03	11378	32	11*,12,18,20,21,22,24, 26,30,38/03	11496	9	N35/02;N1,N17,N19, N34/03
120	6	39/03	11318	1	N46/02;N6,N24,N25, N44/03	11382	39	46/02*,9,25,26,37/03	11502	28	14,17,20,22/03
124	10	18,34,39/03	11319	31	17*,19,20,25,26,29,30, 34/03	11383	49	9,18,26,30,37/03	11503	39	38*,39,43/02;12,14,17, 20,22,31/03
125	7	21/03	11320	1	N22,N23,N24/03	11384	33	30/03*	11504	15	12,22/03
126	39	21/03	11321	29	39,40,41,45/02;23,31, 34/03	11385	25	49/03	11505	1	34,40,49/02;1,4,5,11,22, 34,43/03
145	16	39/03	11322	28	19*,20,23,30,34,35,42, 47/03	11388	16	24,34/03	11506	40	10*,19,22,28,34,43/03
200	3	37/03	11323	31	17*,19,20,25,26,29,30, 34/03	11389	32	33,37/02;2,7,32,42/03	11507	31	9*,12,20/03
301	1	14,21,24/03	11324	33	47*,49/03	11390	22	33,34,37/02;7,21,30, 32/03	11508	21	10/03*
302	1	2/03	11325	29	39,40,41,45/02;23,31, 34/03	11391	22	33,34/02;7,21,32/03	11509	27	1,11,24/03
310	20	2,14,21,24/03	11326	31	7*,9,16,20,21,22,23,24, 30,31,33,35,38,45,46/03	11392	6	34/02;21,32/03	11510	18	34/02
400	3	33,35,45/02;29,33,34/03	11327	31	46/03*	11393	20	30,35,42/03	11511	16	11/03
401	5	33,35,45/02;14,29,33,34, 44/03	11328	23	43/03*	11400	34	39/02;4,9,11,12,13/03	11512	59	10*,11,15,20,22,24,34, 43/03
411	49	19*,22,23,24,25,26,29, 30,31,33,44/03	11329	35	48*,49/03	11401	29	27/03	11513	23	49/02;1,24/03
500	8	32*,34,41/03	11330	14	2*,4,6,7,8,17,19,20,21, 22,23,27,30,31,34,35,36, 38,45,46/03	11402	21	30*,34/03	11514	26	37*,40,49/02;4,5,15,22, 24,34,43/03
501	12	9*,10,18,21,22,24,40, 41/03	11331	18	8,19,23,30,34/03	11404	21	50/02;9,19,27,49/03	11516	30	43/03*
502	2	52/02;40,44/03	11332	28	42*,43,49,51/02;6,17,19, 20,23,25,31,34,35,37, 47/03	11405	29	38/03*	11517	17	24/03
507	2	45/02	11333	18	8,19,23,30,34/03	11406	11	9/03	11518	33	14*,19,28/03
508	2	45/02	11334	28	42*,43,49,51/02;6,17,19, 20,23,25,31,34,35,37, 47/03	11409	28	32/03*	11519	12	28/03*
510	3	40/03	11335	14	2*,4,6,7,8,17,19,20,21, 22,23,27,30,31,34,35,36, 38,45,46/03	11411	14	43*,45/02;7,20/03	11520	41	38*,39/03
513	6	38/02;34/03	11336	1	N35/03	11412	41	42*,45/02;1,6,7,11,12,13, 14,20/03	11521	26	35/02;9,19,24,28,34, 39/03
520	127	38/02;34,40,41/03	11340	68	37*,38,45,46,49/03	11415	5	42*,45/02;1,2,7,14,20/03	11522	19	39/03
521	11	34/03	11341	39	14*,17,21,22,23,25,31, 34,37,38,47/03	11416	5	42,48/02;1,2,6,11,12,14, 20/03	11523	21	35,52/02;5,9,19,24,28, 34/03
523	8	34/03	11342	52	27*,29,31,34,35,42,46, 47/03	11420	27	20*,21,22,25/03	11524	46	8*,11,12,13,15,17,19,20, 22,28,34,43/03
524	12	47/02;34/03	11343	37	48*,49/03	11423	7	N39,N42/02;N4,N8,N15, N21,N22,N25/03	11525	6	N39,N40,N44,N46, N51/02;N4,N6,N8,N24, N39/03
525	3	40/03	11344	35	9*,19,22,23,26,27,29,31, 34,38,43,46,47/03	11424	18	14,25/03	11526	10	20/03*
526	10	47/02;6/03	11345	31	9*,38/03	11426	36	38/03*	11527	16	37/02;20/03
530	30	37,38,40,52/02;6,10,18, 21,22,24,34,40,41,44/03	11347	33	42*,43,47,49/02;4,6,7,8, 19,20,21,23,25,26,27,29, 31,32,43,47,48/03	11427	33	2/03*	11531	21	11,39/03
531	21	47,52/02;21,24,32,34, 41/03	11348	20	43*,47/03	11428	32	52/02*,6/03	11532	20	37/02;39,43/03
532	17	38/02;34/03	11349	40	38*,42,51/02;23,26,27, 31,36/03	11429	21	47/02*	11534	32	17*,36,45/03
540	16	51/02;16,30/03	11350	25	43/03*	11430	25	17/03*	11535	12	46/02;39/03
541	2	6/03	11351	38	20*,22,23,25,27,30,31, 34,48/03	11431	11	7,8,21/03	11536	16	38/03*
550	7	45/02;6/03	11352	36	3*,7,8,9,20,22,24,26,31, 34,48/03	11432	25	6,15,22/03	11537	34	21*,23,26,35,36,43,45, 47/03
600	5	45/03	11353	2	35,38,43,45,49/02;4,5,7, 18,20,21,26,27,31,34,43, 45/03	11433	39	36/02;6,7,15,20/03	11539	18	39,44,51/02;6/03
601	4	6,8,27,38/03	11354	20	43*,47/03	11434	39	36/02;6,7,15,20/03	11541	33	8*,9,14,22,35,39,49/03
602	6	47/02;6,38/03	11355	52	41*,49/03	11435	16	7/03	11542	15	39/02
603	6	47/02;10/03	11356	11	39/02;49/03	11436	30	36/02;7,15,20/03	11543	22	39/02;8,38/03
604	5	38/03	11357	40	1*,25,31,34,35,37,38, 49/03	11437	11	36/02*,8/03	11544	37	36/02*,8/03
605	4	6/03	11358	25	38/03*	11438	11	7,8,21/03	11545	60	45*,47/02;6,8,14,22,23, 24,35,38,39,43,49/03
606	1	17/03	11359	35	38/03*	11439	25	6,15,22/03	11547	35	37,47/02;6,8,14,22,23, 35,38,39,43,49/03
607	1	17,45/03	11360	40	1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37,38, 49/03	11440	16	7/03	11548	38	47/02*
622	9	47/02;6/03	11361	70	21*,23,24,25,26,30,31, 35/03	11441	17	24/03*	11550	28	17/03*
623	9	47/02;19,36/03	11362	4	N33,N36,N39,N40, N47/02;N2,N5,N6,N8, N19,N23,N24,N25,N26, N27,N29,N30,N34,N35, N37,N38,N49/03	11442	16	7,25/03	11553	28	8/03*
632	8	45/02	11363	39	47/03*	11443	16	7,25,39/03	11555	38	36/02*,7,24/03
702	5	7/03	11364	39	3*,4,5,8,9,18,19,21,23, 25,26,27,30,33,34,35, 43/03	11444	16	7/03	12200	47	38*,42,52/02;7,12,18/03
703	4	46/02;7,44/03	11365	17	52/02*,9,32,34/03	11445	31	20*,22,25/03	12201	25	N42,N52/02;N7,N12, N18,N24,N32/03
705	3	46,52/02	11366	7	48*,50/02;4,12,21,23, 40/03	11446	5	35,50/02;6,13,15,21,23, 25,31,34,39,40/03	11461	5	7,15,25,39/03
706	4	44/03	11367	39	47/03*	11447	24	22,25/03	11462	24	22,25/03
707	2	34,44/03	11368	25	38/03*	11448	14	7/03	11463	17	24/03*
708	3	34,36/03	11369	35	38/03*	11449	16	7/03	11464	16	7,25/03
709	2	50/02;19,25/03	11370	40	1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37,38, 49/03	11450	8	15,22,25,39/03	11465	36	52/02*,22,40/03
1113A		20*,21,22,25/03	11371	36	38/03*	11451	31	20*,22,25/03	11466	36	30*,31,40/03
1114A		39/02;4,9,11,12,13/03	11372	52	41*,49/03	11452	16	7/03	11467	37	47*,50/02;4,12,21,23, 40/03
1115A		1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37,38,	11373	11	39/02;49/03	11453	16	7/03	11468	39	42*,43,49/02;40/03
		49/03	11374	40	1*,2,5,6,8,19,23,24,25, 26,27,29,30,34,35,37,38, 49/03	11454	5	35,50/02;6,13,15,21,23, 25,31,34,39,40/03	11469	5	35,50/02;7,9,12,21,23,31, 33,35,37,38/03
1116A		37*,38,45,46,49/03	11375	39	47/03*	11455	31	20*,22,25/03	11470	36	10*,33/03
1117A		28*,30,31,32,34,35,36,	11376	4	N33,N36,N39,N40, N47/02;N2,N5,N6,N8, N19,N23,N24,N25,N26, N27,N29,N30,N34,N35, N37,N38,N49/03	11456	17	24/03*	11471	31	43,48/03
		44,45/03	11377	44	47/03*	11457	16	7/03	11472	31	8*,25,40/03
5161	13	48/03*	11378	44	47/03*	11458	16	7/03	11473	10	6,17/03
11004	7	37,39,40,42,43,45,47, 51/02;5,6,7,8,9,14,18,21, 22,23,24,25,26,27,29,30,	11379	11	39/02;49/03	11459	16	7/03	11474		

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 49/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12228	29	43/02*	12378	14	2,13,23/03	13321	9	20/03*	14219		N40/03*
12230	60	30*,34,42,48/03	12401	7	47/02/2,13,33,41/03	13323	7	5/03	14220		N39/03*
12231	26	35,46/02;7,30/03	12402	8	33,47/02;13,34,41/03	13324	13	41,52/02;2/03	14221	26	40,46/02
12233	35	3*,4,5,6,14,34,45/03	13000		N48,N49/02;N21,N26, N29/03	13325	14	2,29/03	14222	16	40/03**
12235	29	47/02;4,6,7,17,33/03				13326	12	41,43/02	14223	18	38/03**
12237	27	48/03*	13003	47	36*,39,44,45,48/03	13392	2	6/03	14224		N39/03*
12238	37	46/02*;1,4,7,19,25,34/03	13006	31	36*,39,44,45,48/03	13394	3	39/02*;9,21,42/03	14225	17	39/03**
12241	21	34,44/02;7,34/03	13009	30	42*,48,49/02;1,9,18,23, 36,39,44,45,48/03	13396	4	9,19,21/03	14226	32	39/03**
12245	62	30*,33,34,49/03				13398	3	36/02	14227	28	39/03**
12248	40	44/03*	13200	33	37,48/02;7,9,18,36,39,44, 45,48/03	14002	57	32,34,36,37,42,49/03	14228	11	39/03**
12251	23	35/02;4,6,7,15,26/03	13201	10	N37,N48/02;N9,N18, N36,N39,N44,N45, N48/03	14003	6	48,49/02;5,9,12,29,39, 48/03	14229		N39/03*
12253	43	35*/03*	13203	12	37/02;48/03	14007		N38/03*	14240	6	43/03**
12254	43	38*,43,44/02;30,34/03	13204	12	44/03	14008	76	38/03**	14241	23	39/03**
12255	15	44/02;30,34/03	13205	36	37,42,45,48/02;1,5,23/03	14010	5	35/02;26,32/03	14242	13	40/03**
12256	14	48/03*				14024	5	33,36,39/02;12,22,36, 47/03	14243	8	39/03**
12261	28	37*,44/02;7,18,22,48/03	13209	23	37/02;23/03	14040	65	40/02;34,49/03	14244	5	39/03**
12263	52	35*,42,44/03	13211	13	47/02;45/03	14041	12	34,36,42/03	14245	6	39/03**
12264	28	38/02*;7,42,44,48/03	13212	35	9*,13,36/03	14042	3	34,42/03	14247		N39/03*
12266	27	20,30/03	13213	40	14*,25,36/03	14043	7	21,26,49/03	14248		N40/03*
12270	32	9*,18,24,25,33,42/03	13214	27	34*,45,48/02;5/03	14044	44	6,47,49/03	14249		N39/03*
12272	29	36,45/02;13,16,30,33, 38/03	13215	17	45,48/02;1,5/03	14046	2	47,49/03	14250		N40/03*
12273	54	47/03*	13216	1	N48/02	14060	27	6,9/03	14251		N40/03*
12274	33	37*,50/02;5,15,17,30, 33/03	13218	38	42,45,51/02;5,46/03	14062	17	32,36/03	14252		N40/03*
			13221	53	44,51/02;2,5,7,27,46, 49/03	14066	19	6,34,42,47/03	14253		N40/03*
12277	32	35/03*	13223	36	52/02;2,46/03	14067	11	6/03	14254		N40/03*
12278	72	36,45/02;19,25,30,33, 38/03	13224	36	44/02;5,27/03	14081	21	36,47/03	14259	3	40/03**
12280	3	37*,43,45,46,47,50, 52/02;1,6,7,18,28,33,38, 44,45/03	13226	5	44/02;6,7,49/03	14083	30	33/02	14260	47	39/03**
12281	49	12,19,25,38,44,48,49/03	13227	13	7,49/03	14085	6	49/03	14263	15	40/03**
12282	34	43/03*	13228	11	51,52/02	14087	58	33/02	14264	4	40/03**
12283	24	8,18,25/03	13229	27	39,42,45,52/02;1,7,19, 48/03	14088	10	41/02;34/03	14280	37	40/03**
12284	15	7,42,48/03	13230	46	2*,7,19/03	14089	29	41/02;34/03	14310	2	40/03**
12285	35	11*,14,19,22,34,36,45/03	13232	4	39,42/02	14090	2	33/02	14328	6	47/03
12286	29	2*,4,6,42/03	13233	16	10,39/03	14091	6	41/02*	14329	5	32,47,49/03
12289	48	10*,19,22/03	13235	5	48/03	14105	19	47/03	14340	25	33,37,40,52/02;12,22,30, 49/03
12300	43	19*,39,44,48,49/03	13236	29	36*,39,42,45/03	14110	42	32,44/03	14341	5	12,34,47,49/03
12301	21	N37,N39,N42,N45/02; N5,N17,N39,N44,N48, N49/03	13244	39	48/02;7,32/03	14111	7	14,32,34,42,44/03	14342	20	52/02;30,49/03
12304	43	21*,26,48/03	13246	37	36*,42/03	14112	5	32,42,44/03	14344	2	37,40/02;49/03
12311	42	38*,48/03	13248	12	22/03*	14115	2	47/03	14345	5	37,40/02;12,22,49/03
12312	52	10*,15,24,32/03	13253	18	3*,8/03	14141	17	47/03	14349	7	42,47/03
12313	49	35*,43/03	13255	29	36*,39,42,45/03	14143		N38/03*	14353	3	42/03
12314	30	46*,50/02;5,25,33,35/03	13263	7	N36,N43,N48,N49/02; N1,N7,N9,N18,NP21, N23,N26,N29,N36,N39, N42,N45/03	14144	29	38/03**	14354	2	32,42/03
12316	29	2*,6,32/03	13264	103	36,49/02;9,P21,26,29,39, 42,49/03	14145	2	47/03	14357		N52/02;N49/03
12317	31	37,50/02	13267	31	47/03*	14146	2	32,49/03	14358		N36/02;N34,N47/03
12318	41	9*,32,44/03	13270	59	33,34,40,43/02;1,2,7,12, 49/03	14151	2	37/02;32,34,38/03	14360	36	33,36/02;47/03
12323	23	40/02;4/03	13272	47	40/02;8,25,35/03	14168	2	N37/03	14373	2	34,49/03
12324	30	2*,8,49/03	13274	25	43/03*	14173	2	38/03	14380	19	49/03
12326	49	35*,49/03	13275	28	45/03*	14174		N42/03*	14386	3	36/02
12327	97	48*,49/03	13276	31	47/03*	14175		N43/03*	14404	4	47/03
12331	30	8*,13,14,18,33/03	13277	47	36/03*	14176		N38/03*	14415	4	33/02;36/03
12332	21	43,46/02;13,18/03	13281	11	21*,39/03	14177		N40/03*	14420	27	40/03**
12333	33	44*,49/03	13282	18	1,9/03	14178		N40/03*	14500	27	52/02*
12334	66	30*,34,36/03	13283	10	20/03	14179		N40/03*	14758		N32,N49/03
12335	40	47/03*	13286	29	39*,40,50/02;1,9/03	14180	38	42/03**	14773	16	26/03
12337	22	45/02;13,18/03	13288	40	36,43,50,51/02;29,42,44, 45/03	14181	3	43/03**	14774	16	15/03
12338	9	21/03*	13290	35	39*,42,44,49/03	14183	15	38/03**	14782	24	47/03
12339	43	23/03	13292	36	36,40/02;7,16,29,42,44, 49/03	14184		N32,N44,N47,N49/03	14784	19	47/03
12341	26	36/03*	13295	22	36/03*	14185	2	40/03**	14786	13	49/03
12343	18	37/02*;7,21,27/03	13296	25	43/02;27/03	14186	2	40/03**	14803	26	54,59/03
12345	10	42/02*;21/03	13297	30	20*,32,39/03	14187	2	38/03**	14804	24	5/03
12347	29	27,29,35/03	13298	11	21*,39/03	14188	1	42/03	14813	21	2*,49/03
12348	33	27,29,34/03	13299	18	1,9/03	14189	2	36,42,44/03	14815	22	43/03
12350	57	39*,49/02;29/03	13301	10	20/03	14190	2	37,42/03	14816	23	5/03
12352	30	46/03*	13302	21	41/02;2,7,9,32,42,45/03	14191		N38/03*	14820	19	11/03*
12353	17	39/03	13303	12	48/02*,7,9/03	14192		N38/03*	14822	31	10/03*
12354	40	38/03*	13305	28	40,41,49/02;2,7,9,36, 44/03	14193		N38/03*	14823	30	1/03*
12358	19	46*,49/02;1,7,10/03				14195		N42/03*	14826	27	4*,49/03
12362	16	49/02	13301	20	33,51/02;23,42,45/03	14196		N38/03*	14829	5	49/03
12363	39	44/02;6,23,27,32,36/03	13302	21	41/02;2,7,9,32,42,45/03	14197		N38/03*	14830	30	31*,34,47/03
12364	34	20*,23,25,27,32,36,39/03	13303	12	48/02*,7,9/03	14198		N43/03*	14832	34	52/02*,49/03
12365	26	6,23/03	13305	28	40,41,49/02;2,7,9,36, 44/03	14200	2	38/03**	14833	25	43,49/03
12366	27	51/02;20,27/03				14201	15	38/03**	14835	31	39/02
12368	26	42/02*;24,25/03	13307	10	23,28,44/03	14202		N40/03*	14836	27	42/02*
12369	25	44/02;32,35,36,43/03	13308	11	40/02	14212		N38/03*	14837	27	3/03
12370	18	39/02*	13309	28	42/02*;9,32/03	14213		N39/03*	14838	3	52/02*
12371	23	27/03*	13312	21	10/03*	14214		N39/03*	14839	36	9*,43,49/03
12372	31	45*,47,48/02;2,5,6,23,25, 36,45,49/03	13313	19	41,49,52/02;6,9,36/03	14215		N39/03*	14842	13	46/03*
12373	14	2/03	13316	22	28/03*	14216		N39/03*	14843	22	39,51/02;43/03
12377	14	37/02	13318	18	38*,41,52/02;5,6,21/03	14218		N39/03*	14844	31	4/03
									14845	26	4/03
									14846	11	39,40/02;2,43,47/03
									14847	30	40/02;43,47/03
									14848	56	9,17,21,22/03
									14850	51	7,21/03
									14852	45	19*,21/03
									14		

SECTION I

NM 49/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 49/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
14854	13	17/03	16363	12	38/02*	17420	26	36,37,42,43,50/02;1,10, 12,14,20,36/03	18418	6	15/03
14864	26	37/02	16381	8	8,25/03	17422	8	52/02*	18419	11	47/02;12,46/03
14865	16	4/03	16420	10	46/03*	17426	13	37/02;1,16,20/03	18420	1	22,47,49/03
14867	26	39/03*	16423	2	47/03	17427	7	21,36/03	18421	45	2*,18,20,22,32,36,37,39, 45,47,49/03
14871	2	34/03	16440	13	37/02	17428	7	5,36,43/03	18423	33	1*,5,7,9,15,18,30,32,34, 36,38,39,43,45,47,49/03
14873	2	35/02	16441	7	37/02	17429	2	N38/02*	18424	25	7,45/03
14880	30	33/02;4/03	16442	7	41/03*	17430	10	5,36/03	18427	21	35/02*;7,19,45/03
14881	31	33/02	16480	10	38/02;34/03	17434	11	5,36,43/03	18429	9	3*,22/03
14885	20	51/02	16500	9	9,33/03	17435	16	40,49/03	18430	7	6,7,22,49/03
14886	11	41/03*	16520	21	2,31,33/03	17436	6	20/03	18431	6	2/03*
14901	14	52/02*,5/03	16528	16	9,33/03	17437	8	21/03	18432	5	14/03*
14902	28	4/03	16529	14	50/02;9,33/03	17438	12	50/02;10,14,15,21,36/03	18433	5	2*,22,32,36/03
14903	23	31/03*	16530	6	50/02;33/03	17441	7	10,15/03	18434	4	P44,48/02;6,9/03
14904	26	40/03*	16535	12	2,21,31/03	17443	12	10/03	18440	26	3*,15,18,22,28,30,32,34, 38,45,47/03
14905	30	45/03*	16549	15	41/03*	17445	2	10,14,36/03	18441	43	39*,45,47/03
14906	23	5/03	16553	3	17/03	17446	10	N10/03	18443	15	39/02;6,34/03
14909	19	49/03	16556	4	8/03*	17460		N5,N36,N49/03	18444	15	39/02;34/03
14910	23	17/03*	16561	1	29,35,44/03	17465	4	6,12/03	18445	29	33,39/02;6,7,9,10,15,18, 22,25,28,34,36,38,42,45, 47/03
14911	20	4/03	16566	10	29,44,49/03	17470		N23,N41/03	18446	16	47/03*
14912	17	31/03*	16568	12	39/02*	17471		N6,N47/03*	18447	26	52/02;6,7,10,18,47/03
14913	18	31/03*	16575	1	39/02	17472	4	5,14,36,41/03	18448	32	33/02;10,15,22,34,36, 45/03
14915	25	28/03*	16576	4	47/03*	17472	4	5,14,36,41/03	18449	17	7,34,44/03
14916	10	45/02*;17/03	16580	11	39/02	17480	4	43/02;5,10,36/03	18450	17	9,44/03
14917	23	3/03	16590	10	38/02*	17482		N7,N14,N41/03	18452	16	34,38/03
14918	26	17/03	16592	9	16/03	17483		N41/03	18453	24	14*,25,36,38,42/03
14922	19	51/02;9/03	16593	11	14/03*	17484	3	41/03	18455	2	N39/02;N15,N34,N38/03
14924	27	5,49/03	16594	13	2/03	17485	4	41/03	18458	15	19*,28,34,38/03
14926	10	32*,47/03	16595	14	2/03	17489	19	43/02	18459	5	N39/02;N9,N15,N28, N34,N38/03
14927	24	35,37/02;47/03	16596	12	39/02*	17495	2	43/02	18460	11	2*,6,7,43/03
14928	21	4/03*	16597	8	43/02	17503	4	43/02	18464	23	24*,30/03
14929	24	14/03*	16598	9	43/02	17513		N42,N43/02;N15/03	18465	35	2*,15,30/03
14930	24	45/02	16599	6	43/02	17515	7	6,15,16,36,43/03	18468	17	7/03
14931	24	35/02*	16603	8	48/03*	17517	8	6,15,16,34/03	18471	9	36/03*
14932	23	26/03*	16606	11	37/02*,21/03	17518	7	P44,48/02;16,18,20,41, 47/03	18473	7	4*,18,19,34,38,45,47/03
14933	24	35*,37/02	16608	4	46/03*	17519	13	16/03	18474	7	45/02*,7,10,15,22,25,34, 36,38,45/03
14934	27	17*,26/03	16640	24	21/03	17520	2	N6,N16,N34/03	18475	1	35/03
14937	24	52/02*,2,17/03	16646	12	8/03	17521		N15/03	18476	4	39/02;7,9,28,34,38/03
14942	25	35/02	16660	28	42/02;6,16,47,49/03	17522		N15/03	18477	5	7/03
14961	11	47,49/03	16663	6	42/02;6,16,47,49/03	17523		N15/03	18480	29	2*,6,7,43/03
14963	20	51/02	16665	7	42/02;6,16,47,49/03	17524		N12,N15,N49/03	18484	10	40/02;15,29/03
14965	21	11/03*	16680	10	6,32,37/03	17525		N15,N43/03	18485	15	2*,10,29/03
14966	25	14*,21,49/03	16681	10	37/02*	17526		N15/03	18500	28	39/02;12,22,28/03
14967	22	5/03	16682	15	8*,17,19,37/03	17528		N43/02;N6,N12/03	18502	84	39,42,49/02;9,21,28,29, 42,47/03
14970	25	40,46,51/02	16683	9	3,6,17,32,37/03	17541	3	43/02	18504	65	19*,35/03
14973	27	15/03*	16700	28	40*,43/03	17542	6	47/02	18520	24	33,39/02;22/03
14975	33	52/02*,43,49/03	16701	19	37/03*	17543	17	41/02;43/03	18521	69	34*,39,49/02;4,10,12,21, 22,24,29/03
14983	9	46/03*	16702	11	37/03*	17545	13	43,47/02;43/03	18523	53	33/02;4,12/03
14985	9	41/03*	16705	19	49/02;16,43/03	17546	22	42,43,47/02;24,34,35, 43/03	18524	33	33/02;4,6,10,24,29,47/03
14986	9	46/03*	16707	10	34,37/02;16,20/03	17548	28	16,43/03	18525	33	33/02;4,9,29/03
14988	10	41/03*	16708	25	37,49/02;16,20/03	17549	6	47/02;15/03	18526	55	33/02;4,18,29/03
14995	11	52/02*	16709	22	49/02	17550	4	42,43,P44,45,47,48, 52/02;43/03	18527	21	48/03
15043	3	34,44/03	16712	1	16/03	18000	8	45/02;6,10,21,36,44/03	18528	10	52/02*;18/03
15044	3	34,44/03	16713	2	49/02	18002	6	N45/02;N2,N6,N10,N21, N36,N44/03	18529	10	52/02*
15046	4	47/03	16741	9	46/02	18003	19	22*,41,43/03	18531	20	34/02;9,10,48/03
15066	5	32,47/03	16760	10	51/02;28/03	18005	4	N34/02;N6,N10,N13, N21,N26,N40/03	18532	20	10/03
15067	2	47,49/03	16761	16	28/03	18006	3	N6/03	18548	5	8/03*
15069	4	47/03	17003	4	47,52/02;24,35,36/03	18007	31	33,34,37,38,39,40,47, 52/02;18,22,24,26,35, 41/03	18558	37	39/02;48/03
15070	3	49/03	17005	10	41,45,47,52/02;24,34,35,	18008	7	N33,N34,N37,N38,N39, N40,N47,N52/02;N18, N22,N24,N26,N35,N37, N41/03	18561	11	33,39/02;10/03
15080	1	47/03	17324	13	39/03	18009	2	N34/02;N6,N13,N26, N40/03	18580	21	33,38,39/02
15313	1	15/03	17325	7	29/03	18010	20	33,34,37,38,39,40,42/6, 13,26,33,40,47/03	18581	17	49/02*,4,36/03
15562			17327	21	46/03*	18020	37	47/03*	18583	38	33,42,49/02;12,43/03
15569			17330	30	52/02*,21,39/03	18022	33	34,37,45/02;6,10,13,21, 25,33,35,36,40,43/03	18584	47	39,49/02;6,4,30,48/03
15570			17332	18	51/02;49/03	18400	44	41*,43,47,49/03	18587	68	33,39,42/02;4,6,9,10,21, 27,36/03
15585			17333	9	37/02	18401	12	34/03	18588	37	22*,36/03
15690			17335	23	2*,16,21,25/03	18403	21	6,20/03	18589	15	44/03
15880			17336	20	3,25/03	18405	12	43/02;16/03	18600	14	33,37,38,40/02;44,47/03
15946			17338	15	13,29,34,39/03	18406	5	16/03	18601	13	10/03
15954			17339	10	13,22,29,39/03	18409	8	41/03	18602	12	26*,47/03
16003	16	13,36,48/03	17340	13	39/03	18411		N16,N20/03	18603	16	9*,10/03
16004	11	13,17,48/03	17341	10	1,36/03	18412	10	20/03	18620	23	35/02*
16005	9	36,48/03	17342	11	48/03*	18413	15	20,22/03	18622	52	49/02;21,25,27,35/03
16006	33	6,32,35,36/03	17343	15	20*,36/03	18414	9	20/03	18623	11	34/02
16011	35	38/02;8,29,31,32,35,	17344	15	20*,36/03	18415	8	42/02;7,22,32,39,47/03	18626	15	37/02;10/03
16012	21	38/02;34/03	17345	1	49/02;8/03	18416	6	P44,48/02;22,46/03	18640	24	26,38,42/03
16013	28	52/02;21,29,32,34,35,41,	17346	7	44/02				18643	17	26*,33,41,43/03
16016	19	34/03	17347	14	14/03*				18645	24	50/02;33,33/03
16041	8	48/03	17400	16	36/02;10,12,44/03						
16042	7	39/02*	17401	10	1,36/03						
16061	8	37,49/02;13,17,03	17402	10	46/02*						
16200	13	36/03	17405	14	12,25,46/03						
16206	7	46/03	17406	6	25/03						
16220	5	36/03	17409	10	39/02*,44/03						
16300	8	52/02;3,8/03	17412	2	49/03						
16305	9	8/03	17413	2	43,50/02;10,44/03						
16322	7	8,46/03	17414	3	41/02					</	

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 49/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
18647	15	2/03*	19382	15	26/03	22170	3	39/02/6/03	22521	3	12,17,34/03
18649	63	48/03*	19383	17	49/02/5/03	22172	8	48/02*;4,6,29/03	22523	3	12,17,34/03
18650	52	47/03*	19387	9	N46/03	22173	36	48/02*;6,17,29/03	22529	3	12,17,35/03
18651	42	15*,48/03	19388	2	N46/03	22180	2	34/02/32/03	22531	2	12,17,35/03
18652	32	36*,40,43,46,48,49/03	19401	8	10/03*	22181	16	39,41/02/29/03	23010	4	38/02
18653	9	36,38,41/02;4,6,21,43/03	19402	6	9/03*	22182	6	34/02;14,29/03	23020	4	22/03
18654	42	38,49/02;12,16,35,46, 48/03	19421	7	8/03*	22183	3	32/03	23030	6	38/02;21,22,37,42/03
18655	58	49/02;12,16/03	19441	7	28/03*	22190	2	29/03	23121	7	17,20/03
18656	53	19*,21,33,40,43,48/03	19442	5	14*,26/03	22205	2	12,18/03	23122	8	33/02
18657	18	4,21,40/03	19461	7	10/03*	22221	20	12,31,34/03	23124	3	N17,N20/03
18658	29	4,21,33,40/03	19483	6	11/03*	22222	1	4,12,31/03	23125	4	17/03
18659	14	49/02;7,16,21,43,48/03	21005	5	45/02/2/03	22225	2	12,18,40/03	23131	7	12,22/03
18660	2	29*,43,49/03	21008	62	39,42,43,50/02;1,2,36/03	22233	29	13,18,25,37/03	23141	7	34/02;22,37/03
18661	27	15*,16,43,49/03	21011	5	2/03	22250	2	42/02;12,18/03	23142	10	8,37,47/03
18662	20	7,43,44/03	21014	72	42,50,52/02;2,3,4/03	22251	11	12,28/03	23145	3	37/03
18663	5	14*,43/03	21017	50	41,50/02;4,5,6,9/03	22259	4	20,24/03	23150	10	37,52/02
18666	1	21,33,48/03	21020	42	41/02;5,6,7/03	22263	1	26,37/03	23151	3	12/03
18668	30	6,13,33,35,38,40/03	21021	3	45/02;13/03	22264	2	42/02;13,18,20,24,26,37, 41/03	23152	3	37/02;12/03
18685	32	36*,46/03	21023	41	34/02;7,8,9/03	22275	3	42/02;12,18,26/03	23153	8	12,13,49/03
18687	13	8/03*	21033	46	1,16/03	22281	9	12,18/03	24004	36	41,42,46/03
18700	22	40/03*	21036	7	1,16/03	22282	17	12/03	24016	53	39/02
18703	25	40/03*	21120	27	47,50,51,52/02	22283	3	N12/03	24024	46	18,25/03
18704	12	37/02	21121	18	47/02	22284	7	N10,N38/03	24028	6	48/02
18720	31	35/02;4,6,10,12,25/03	21122	5	47/02	22290	4	18,30/03	24050	11	34,38,49/02;20,31,32, 33/03
18721	11	35/02;6,10,39/03	21125	13	51,52/02;36/03	22293	15	18,26,37,38/03	24052	15	37,38/02;14,19,21,30,42, 44/03
18723	3	6/03	21126	1	50/02	22294	15	12/03	24053	16	19/03
18724	1	22*,25/03	21141	23	48/02	22305	2	18,24,30,34/03	24055	6	37,49/02;14,19,21,42/03
18725	27	32/03*	21160	1	45/02	22311	19	8/03	24057	4	38,49/02;20,30,33,42/03
18740	40	46*,49/03	21161	19	43,48/02	22312	2	13,30/03	24058	2	37,38/02;19,22,28,29,30, 42,44/03
18741	18	N45,N50/02;N12,N27, N38/03	21180	1	2,7/03	22313	2	44/02;8,18,38,40/03	24060	2	34/02;17,32/03
18744	30	37/02;35/03	21182	34	39/02	22314	1	44/02;40/03	24080	5	17/03
18746	34	34/02;5,13,41,49/03	21200	1	2/03	22322	11	33/03**	24091	6	6,21,46/03
18749	38	40/02;5,6,16,21,26,28,31, 39,41,49/03	21301	13	3,12/03	22331	2	N10,N19,N24/03	24092	14	6/03
18751	42	40/02;5,6,16,21,26,28,31, 39,46,49/03	21342	28	41,44/02	22335	4	19/03	24100	5	46/03
18754	17	39*,43/03	21384	3	6/03	22341	9	43/02;11,21,29/03	24101	3	37,41/02
18757	10	13,41/03	21401	20	7/03	22342	9	21,29/03	24102	3	37,41/02
18758	6	35/02*;16,33,49/03	21441	27	34,44/02	22343	1	N43/02;N10,N11,N21, N41/03	24110	3	35/03
18760	6	N34,N35,N45,N50/02; N6,N25,N35,N36, N44/03	21478	3	9,16/03	22344	6	N23/03*	24130	14	5/03
18765	15	45,50/02;12,27,46/03	21510	1	9,16/03	22345	11	42/02;24/03	24133	6	31/03
18766	7	45,50/02;12,27,36/03	21520	1	29/03	22347	6	N23/03*	24140	18	41,42,46/03
18768	4	N45,N50/02;N12,N27, N36,N38/03	21521	14	29/03	22351	1	N43/02;N12,N35,N41/03	24141	4	5/03
18772	47	21*,48/03	21525	19	38/03	22352	6	12,19,24,35/03	24142	43	5,6/03
18773	39	40*,41/03	21563	3	45/02	22360	2	19/03	24150	27	41,47/03
18774	10	35/02*;10,16,49/03	21581	5	41/03	22361	2	N10,N30,N32,N33, N34/03	24151	4	41/03
19002	9	N37,N51/02;N16,N23, N29,N46/03	21601	4	31/03	22370	2	15,19,26,30,33,34/03	24152	2	41,47/03
19004	36	35,37,51/02;23,29,30, 46/03	21603	9	5,31,36/03	22371	5	30,32,33/03	24153	6	39,47/03
19007	16	51/02;16,23,29,30,46/03	21605	7	31/03	22373	1	N50/02;N10,N24,N30, N32,N33,N34/03	24155	6	46,49/03
19008	4	16,23,29,46/03	21661	12	6/03	22375	1	N10,N15,N26,N37/03	24160	21	47/03
19009	4	16,23,29,46/03	22004	38	34,36,39,41,43,52/02;16, 29/03	22377	1	N10,N13/03	24161	11	42/02;7,28,32,39,40, 47/03
19010	17	45*,51/02;23,29/03	22008	35	34,36,39,41,43,44,48, 52/02;6,14,17,29,32,38, 47/03	22379	1	N50/02;N10,N30,N32/03	24162	9	42/02;6,7,28,32,39,40,42, 47/03
19013	16	51/02;29,30,46/03	22012	31	34/02;6,29,32/03	22395	2	42/02;15,19,22,26,30/03	24164	6	39,41,47/03
19016	9	46/03	22032	20	19,40/03	22401	4	N23*,N30/03	24170	14	5,6,35/03
19019	9	28/03*	22036	28	47/02	22403	1	N45/02	24171	19	5,6,37/03
19320	16	35,37,51/02;5,16,23/03	22050	4	12,26/03	22404	15	46/02	24172	4	5,6/03
19324	22	35/02;5,23/03	22052	6	46/02;25,34,43,47/03	22407	1	N44,N11,N18,N30/03	24201	5	49/03
19327	10	23,43/03	22082	4	13,25,38/03	22408	1	N10,N21/03	24202	6	31,35,46/03
19330	9	27/03	22084	4	42/02;35,37/03	22409	4	45/02;N10,N17,N22/03	24203	36	49/03
19331	7	23,43/03	22090	2	43/02;4,17/03	22410	32	43,44,46/02;19,23,40/03	24210	14	42/03
19339	1	N35,N49,N51/02;N5, N13,N30,N47/03	22100	3	12/03	22413	1	N45/02;N22/03	24220	14	39/03
19340	26	35,49,51/02;5,13,29,30, 36,47/03	22101	19	43/02;37/03	22417	1	N10,N25/03	24222	3	39/03
19347	17	29/03	22102	19	17/03	22418	2	36,44,46/02;19/03	24223	33	39/03
19348	7	29,43/03	22109	3	17/03	22420	2	4,11,15,19,30,40/03	24233	15	36,43/02
19353	12	27/03	22111	4	17/03	22421	4	N43,N44,N46/02;N11, N23,N25,N26,N27/03	24234	3	35/03
19357	22	42*,49,51/02;5,13,30,36, 47/03	22112	3	43/02;17,37/03	22423	3	N11,N25,N27/03	24240	5	39/02;7,39,46/03
19359	10	12,16,47/03	22113	8	12,17/03	22424	2	N27/03	24250	5	39/02;7,39/03
19360	1	N37,N51/02	22114	5	42,43/02;17,33,37/03	22425	2	44,46/02	24251	23	34,43/02;6,39/03
19361	7	30/03	22117	3	37/03	22427	1	N43,N44,N46,N50/02; N11,N12,N23,N25,N26, N40/03	24252	5	39,43/02;6,39/03
19362	12	49/02	22120	3	34,36,39,41,43,52/02;29, 32/03	22429	1	N46/02;N10,N14,N17, N19,N27/03	24260	5	34/02
19366	36	49/02;5/03	22124	2	44/02;14,17,29,32,38/03	22430	6	19/03	24270	3	17,29/03
19367	37	49/02;10/03	22128	2	41,44,48/02;6/03	22440	1	19/03	24271	14	17,29/03
19369	5	49/02;10,36/03	22140	2	34,36,44,42/02;25,47/03	22441	31	44/02	24274	2	17,29/03
19379	1	N51/02;N5,N13,N30, N46/03	22142	3	39,41,43/02;25,40,47/03	22481	35	43,44/02;19/03	24290	3	36,43/02
19380	14	51/02;5,13,30,46/03	22143	4	26*,29/03	22482	16	44,50/02;23/03	24291	4	36/02
19381	8	49,51/02;26/03	22145	2	N41/02;N25/03	22492	3	34/03	24292	4	36/02
19381	2	34,39,41,48,52/02;25/03	22160	2	34,39,41,48,52/02;25/03	22492	3	34/03	24293	6	36/02;37,44/03
									24294	22	36/02;37,46/03
									24320	4	34,43/02;6,17/03
									24321	3	6/03
									24322	6	34/02;6,17/03
									24350	2	51/02;18/03
									24355	2	51/02;25,37/03

SECTION I

NM 49/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 49/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
24360	1	25/03	25687	12	30/03*	29002	9	18,29/03	36141	7	4/03
24370	1	34/02;48/03	25700	3	15/03	29015	5	16/03	36143	4	34/02;5,30,43/03
24375	2	34/02;38/03	25720	3	33/02	29040	3	39,48/03	36161	10	34,44,45,47,50/02;4,10, 18/03
24376	1	38/03	25800	3	36/02	29105	5	49/03	36162	10	35,45,47,50/02;4,18/03
24380	2	35/02;48/03	25841	9	36/02	29107	2	29,36/03	36163	13	34,35,38,44,45,47,50/02; 4,18/03
24388	2	35/02	25848	25	5,13,15/03	29127	4	29,39,42/03	36164	7	34,38,44,46/02;8,15/03
24404	8	35,44,48/02	25849	13	42/02;12/03	29141	3	29,39/03	36165	6	36,44/02;10,27,30,43/03
24405	10	35,36,44,48/02	26001	4	9/03	29142	3	7/03	36167	2	40/02
24406	30	2/03	26050	1	34/02;26,47/03	35000	26	47,48/02;14/03	36173	1	40/02
24408	21	36,44,48/02	26060	1	49/02;42/03	35008	21	45,48,50/02;5,25,27/03	36180	23	36,40,50/02;4,27,44/03
24410	2	44/02	26068	11	18/03	35009	19	40,41,45/02;5,10,14, 49/03	36181	18	36,40,50/02;4/03
24430	5	39/02;8,11,31/03	26081	8	46/02;16,42,43/03	35011	2	48/02;1,25/03	36182	6	36,40/02;27/03
24431	14	39/02;31/03	26100	4	31/03	35036	21	36/02;10,15,27,43/03	37000	22	47,48/02;14,23,43/03
24434	4	39/02	26122	30	22/03*	35040	18	45/02;4,8,10,14,21,49/03	37005	16	41,45,47/02;5,12,13,15, 23,28,29,30/03
24450	3	26,47/03	26125	3	41/03	35041	8	35/02;4/03	37010	23	41,45,47/02;10,12,13,15, 19,23,27,28,29,30,43/03
24453	5	26/03	26127	21	49/02;5/03	35042	9	44/02;4,14,49/03	37025	26	38,51/02;1,24,25,27,31, 33,34,36,38,41,43/03
24454	5	25,26/03	26128	50	49/02;5/03	35044	9	38/02	37032	2	1,6,25,31,38,42,43,45/03
24460	4	39,47/02;15,29,32,47/03	26129	11	41/03	35047	5	35/02	37033	2	47/02;33/03
24461	4	16,38,47/03	26142	10	33/02	35060	14	40,41/02;10,14,49/03	37034	2	8,14,33,41/03
24462	5	47/02;16,29/03	26210	2	36/02	35080	16	40/02;49/03	37041	15	50/02
24463	6	39/02;12,15,25,26,38/03	26218	2	31/03	35081	15	22,27/03	37042	5	41,45/02
24465	6	33,47/02;38/03	26219	5	31/03	35082	7	22,27/03	37043	17	43/02;43,46/03
24469	1	46,47/02;13/03	26229	11	31/03	35083	8	20/03	37044	16	45/02
24470	4	39,47/02	26230	12	31/03	35084	15	50/02	37045	11	45/02
24471	8	47/02	26240	7	9/03	35086	5	22/03	37046	18	43/02;43,46/03
24480	1	41,44,45,49/02;24,27,42, 48/03	26244	3	9/03	35088	2	50/02	37050	9	42,46/02;10,12,17/03
24482	2	49/02;31/03	26245	16	51/02;15/03	35099	3	41/02	37060	3	46,50/02;9,13,18,43, 46/03
24483	2	49/02	26259	2	51/02	35100	14	40,45/02;5,30/03	37061	15	36,38/02;5/03
24484	3	49/02;31/03	26261	27	8/03	35101	6	41/02	37063	21	36,50/02;43/03
24490	3	25,27/03	26262	3	8/03	35103	5	41/02	37075	3	5,18,43/03
24491	3	27/03	26282	6	22,23,34/03	35120	13	40,45,47/02;5,30/03	37080	3	33,34,38,40,42,44,45,46, 51/02;1,4,7,9,14,15,18, 20,21,22/03
24492	20	46/02	26290	1	21*,22,34/03	35130	3	48,51/02;5/03	37081	23	38,43,50/02
24501	3	27/03	26300	7	21/03*	35135	1	5/03	37082	9	44,50/02;11/03
24502	6	46/02;27,34,47/03	26308	5	21*,22,23,34/03	35136	2	48,51/02	37084	9	38,40,43/02
24504	7	41,45,46/02;42,48/03	26309	26	11/03	35141	11	34/02	37085	8	38,40/02
24508	3	22/03*	26310	1	N48/03*	35143	7	34/02	37086	8	38,50/02;4/03
24509	2	45,50/02;15,25,34,42/03	26312	2	21/03	35144	3	11/03	37087	7	38,40/02
24510	2	41,45,46,50/02;42/03	26316	3	21/03	35150	3	48/02	37088	9	5/03
24511	2	24,42,48/03	26320	5	35/02;7,12,22,23,25,31, 40/03	35155	3	25/03	37089	12	4,13/03
24512	3	44,46/02;24,25,38,42/03	26323	4	1/03	35163	7	44/02	37090	8	45,51/02;1,7,9,14,16, 22/03
24513	18	46/02;38,42/03	26327	2	N41/02*;N17/03	35166	4	35/02	37095	3	1,7,9,11,14,15,16,20,22, 32,39/03
24517	2	46,49/02;25,40,42/03	27005	4	6,8,9,22,23,34/03	35167	3	35/02	37104	3	41/02
25001	7	15/03	27040	5	9/03	35169	2	35/02	37106	4	32/03
25017	5	15,25,31,34,39/03	27041	4	50/02	35200	7	48,51/02;5,25/03	37110	11	47/02;20,25,31,32,39/03
25018	9	15,25,31,34,39/03	27042	21	41,42/03	35236	2	38,50/02	37112	1	47/02
25400	1	35,48/02	27084	4	15,22,34/03	35246	2	38,43/02	37115	2	33,47/02;7,25,31,32, 39/03
25480	1	42,46/02	27060	2	22,23,34/03	35247	4	50/02	37119	2	43/02
25485	45	36/03	27080	4	15,22,39/03	35255	3	50/02;14/03	37120	2	39,42,49,51/02;4,6,21,23, 24,25,26,27,30,32,39,42, 43,44,45/03
25487	2	36/03	27081	6	49/02	35256	2	14/03	37121	11	25/03
25524	43	33/02;1,5,20,24,26,32/03	27082	6	49,51/02	35270	2	38,46/02	37122	12	48/02;19,31,44,45/03
25525	17	1,5,26/03	27083	39	28/03	35276	3	46/02	37123	9	49/02;6,20/03
25526	2	33/02;24,32/03	27084	4	13/03	35277	3	38,46/02	37125	15	42,49/02;6,9,20/03
25527	31	33/02;24,32/03	27100	2	8,21/03	35279	3	38/02	37126	8	41/02
25528	5	42/02	27102	11	28/03	35299	9	13/03	37127	11	49/02;4,6,20/03
25550	2	21/03	27120	4	41,43,44/02	35301	6	17/03	37129	6	39,42,49/02;4,6,20,23,24, 30,42,45/03
25563	50	33/02;14,18,21/03	27142	5	9/03	35302	7	17/03	37133	4	44/02
25565	7	33/02	27160	2	8,13,35/03	35303	7	40/02;17/03	37134	5	38/02;45/03
25566	27	18,30/03	27161	4	8,13/03	35308	5	10/03	37136	6	38,46,50,51/02;30/03
25567	16	21/03	27163	21	49/02;8/03	35330	2	38,41/02	37137	6	46,48/02;30/03
25570	3	16/03	27183	8	1,9/03	35350	2	38,41/02	37139	8	1/03
25575	4	35,39/03	27186	8	1,9/03	35402	3	38/02	37140	33	35,49,51/02;4,6,16,24,25, 30,32,42,43,44,45/03
25600	47	25,27/03	28004	1	45/02;8,9,22/03	36005	2	34,36,38,45,46/02;P12, 14,17,24,25,27,31,43,	37141	29	36,40,48,51/02;1,4,12,17, 19,24,27,31,45/03
25608	21	16,26,34,38/03	28006	1	8/03	36010	27	38/02;5,15,16,20,23, 43/03	37145	23	46,50/02;4/03
25613	2	25,27,47/03	28084	4	17/03**	36015	2	36,46/02;27,44/03	37147	15	35,36,40/02;1,10,12,16, 17,19,25/03
25640	40	15,25,31,34,39/03	28150	3	8/03	36040	16	1,15/03	37148	13	35,38/02;4,10,11,27/03
25644	13	20/03*	28154	2	38/03	36046	5	38/02	37149	10	44/02
25646	7	N42/02	28190	2	41,43,45,46/02;18/03	36060	17	38/02;5,8,20,21/03	37150	8	14,19,26,27,32,33,35,37, 39,41,43,46/03
25649	19	44/03*	28196	4	41,43,45/02;18/03	36061	5	46/02;20/03	37161	14	34,43/02;1,14,19,24,41, 43,46/03
25650	33	25,30,31,39/03	28197	4	45/02;18/03	36062	11	40*/46/02			
25653	13	8/03*	28202	22	41,44/02	36098	6	5/03			
25659	9	20/03*	28210	2	33,35,39,41/02	36102	6	13/03			
25663	27	17,30,39/03	28220	2	35,39/02	36103	9	13/03			
25664	15	17,30,39/03	28221	18	33,37,39/02;5/03	36104	6	13/03			
25666	17	17/03	28223	4	35,39/02	36106	7	47/02;5,13/03			
25667	20	15/03	28260	30	35,37/02	36118	3	5/03			
25668	18	48/02;13,34/03	28263	3	35,37/02	36120	9	46/02;5,8,16,23,27/03			
25670	41	38,48,49/02;4,5,13,20/03	28264	3	35,37/02	36123	25	46/02;11,16/03			
25671	18	21/03*	28265	3	37/02	36124	18	16/03			
25673	15	42/02;43/03	28281	32	36/02	36125	7	4,30/03			
25675	9	20/03*	28282	2	35/02	36130	4	38/02			
25677	20	32*,39/03	28300	1	39,50/02	36137	4	38/02			
25679	10	20/03*	28302	16	33,39,40/02;12/03	36138	3	39/02;4			

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 49/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
37162	12	21,26,27,30,32,33,35,37, 39,40,41,43,45,46/03	37446	2	1,34/03	43270	2	44/02	44072	4	40/03
37163	19	32,43/03	37461	9	51/02;6,20,25,36/03	43280	5	44/02;37,40,47/03	44075	4	42/02;13,23,40/03
37164	4	23,26,27,30,32,35,37,43, 46/03	37463	6	1,43/03	43281	6	27,37,44,46,47/03	44076	3	22,28,30,32/03
37165	2	34,36/02;10,12,13,15,21, 23,26,27,28,30,32,34,35, 37,39,43,45/03	37481	7	47,48/02;6,7,14,30/03	43283	6	27,37,40,43,47/03	44081	9	39/02;9,13,46,48/03
37166	2	14,19,21,26,27,30,32,33, 34,35,37,39,40,41,43,45, 46/03	37501	3	46,47/02;7,8,20,33/03	43284	4	51/02;40,43/03	44082	11	9,33/03
37167	2	38,02/14,19,46/03	37505	2	46/02;7,33,41/03	43285	5	44/02;44,49/03	44083	8	9,11,24,25,26/03
37168	2	5,27,30,45,46/03	37506	4	45,46,47,51/02;8,20,33, 48/03	43287	2	27,37/03	44084	1	6,11,26/03
37169	2	38/02;27,31,35,49/03	38320	3	35/03	43300	5	44,47,50/02;49/03	44100	7	44/02;2,9,11,12,13,22,31, 40,41,46,48,49/03
37170	11	38/02;14,19,46/03	38480	6	48/03	43301	4	45,50/02;49/03	44105	2	49/02;5,6,8,24,26,27,41, 47,48/03
37175	2	38/02;14,19,46/03	38528	4	N20/03	43303	4	41,47,50,51/02;43/03	44120	7	2,9,10,15,19,20,22,23,24, 27,33,39,40,41,45,48, 49/03
37180	20	38/02;27,31,35,49/03	38580	8	18/03	43304	2	44,47,50/02;43/03	44140	8	50/02;1,6,19,21,23,24,26, 31,40,44,47/03
37182	14	35,47,48/02;24,27/03	41000	2	15/03	43320	5	49/03	44160	7	46/02;1,4,5,6,11,13,14, 15,20,26,31,41,47,48, 49/03
37183	9	48,51/02;10,24/03	41060	3	34/02	43321	6	41,47/02	44161	2	50/02;1,2,6,10,21,35,39, 41,48,49/03
37184	8	48/02/5/03	41100	2	N46/03	43323	4	27,49/03	44162	1	50/02;1,24,47/03
37200	15	28,30,35/03	42003		N23/03**	43324	4	27,49/03	44163	1	48/02
37202	2	22,27/03	42004	1	N23/03*	43341	7	41/02;12,49/03	44164	1	46,48/02;1,11,18,22, 47/03
37205	2	39/02;22,24,30,40/03	42036	2	43/03	43342	7	26,49/03	44165	1	46/02;1,5,6,11,20,22,24, 34,39,45,48/03
37221	13	34,36/02;6,10,11,12,13, 14,15,21,23,29,30,32/03	42038	2	43/03	43344	3	39/03	44178	2	2,5,7,10,16,26,27/03
37222	13	21,22,30,46/03	42160	3	7,38/03	43345	4	1/03	44179	2	10,16,35,39/03
37223	14	42/02;21,26,27,30,32,34, 35,39,43/03	42301	3	38/03	43360	21	6,10,13,17,20,21,28,30, 32,43/03	44180	6	34,45,46/02;1,2,5,7,8,9, 20,26,43,48/03
37224	11	22,23,30,37/03	42560	5	31,38,40/03	43362	5	44/03	44181	5	5,10,13,20,21,27,48/03
37226	17	39/02;8,9,12,14,17,21, 23/03	42580	5	40/03	43363	5	45/02	44182	4	48,49/02;1,2,15,18,27,42, 43,46,48,49/03
37228	14	8,14,23,27,29,30/03	42600	5	14,30,40/03	43364	5	45,46/02	44183	6	48/02;1,6,8,9,10,19,20, 25,27,35,39,43,46,49/03
37229	15	8/03	42620	5	14,38/03	43366	4	44/03	44184	9	45,49/02;2,10,13,20,22, 32,48/03
37230	14	39/02;28/03	42640	6	38,40/03	43368	5	43,48/03	44185	7	45,49/02;1,2,10,27,32, 48/03
37231	18	6,10,12,14/03	42660	5	38/03	43369	6	43,48/03	44186	2	45,46,48/02;1,2,5,8,9,10, 15,16,25,27,29,49/03
37232	12	29,31/03	42740	5	34,41/02;6,25,31,40/03	43370	7	47/03	44187	2	5,6,9,13,25,27,39,44, 48/03
37234	13	7,8,31/03	42742	3	6,8,30/03	43371	13	38,43/03	44192	1	46,48/02;1,18,23,39,43, 44,48/03
37235	11	17/03	42760	5	8,19,24,25,47/03	43373	8	45/02;17,20,40,42,49/03	44193	1	1,7,15,18,43,48/03
37238	6	17,21,30,33,37,40,41, 45/03	42762	3	N25,N30,N47/03	43374	1	43/03	44200	9	34,52/02;4,9,12,13,22,27, 37,43,47/03
37241	17	26,27,30,33,35,37,39, 43,45/03	43000	4	9/03	43375	7	46/02;6,7,10,12,16,18,23, 42,44/03	44203	1	33,48/02;2,5,15,25/03
37242	10	26,30,32,35,39,43/03	43015	12	9/03	43377	2	47/03	44204	1	48,52/02;2,4,5,7,12,13, 27/03
37243	7	27,30,32,37/03	43030	24	2,9,10,11,12,13,15,17,22, 27,28,30,32,46,48/03	43378	2	38/03	44205	2	48,52/02;2,5,7,12,15,19, 22,26,27,29,31,39,43/03
37244	11	23,26,27,28,30,32,33,35, 37,39,43,45,46/03	43040	6	38,47/03	43382	2	48/03	44206	1	46/02;4,5,13,16,17,19,24, 28,40,46/03
37246	14	21,24,27,30,32,33,35,39, 40,43,45,46/03	43058	3	20/03	43384	1	48/02;4,5,6,7,10,11,12, 13,15,16,17,18,23,25,26, 27,32,44/03	44207	1	4,5,17,19,23,28,40,41,45, 46/03
37248	18	39/02;21,23,24,26,27,30, 32,35,40,41,43,45/03	43079	2	41/02	43385	1	45,48/02;5,11,13,20,23, 24,26,42,46,49/03	44220	5	46/02;4,5,13,16,21,40,45, 46,48/03
37258	4	1,11,22/03	43080	4	44/03	43386	2	47/03	44221	1	19,21/03
37261	10	1,7,11,20,22/03	43082	5	41/02;47/03	43400	16	44/03	44223	1	6,13,21,24,48/03
37262	20	1,11/03	43101	3	46/02	44001	2	48,49/02;1,6,7,8,9,11,13, 14,P20,23,26/03	44224	1	49,02/20,21,24,42/03
37264	3	1,15,22/03	43102	4	46/02	44015	8	48,49/02;6,7,8,9,10,11, 13,14,24,26,40,44,47/03	44240	8	49,50/02;4,7,13,14,15,16, 19,21,25,39/03
37265	3	1,7,17,32/03	43142	4	52/02;12/03	44037	5	16,22/03	44243	2	5/03
37281	15	1,15,22/03	43143	4	12/03	44038	5	46/03	44260	7	2,5,6,13,21,48/03
37320	16	38,44/02;9,10,11,P12,15, 17,21,24,36,38,44/03	43144	4	6,12,43/03	44040	23	44/02;6,10,13,16,17,20, 22,23,24,28,30,32,44/03	44280	9	34,49,50/02;2,6,12,15,19, 22,34,44,47/03
37325	8	34,39,47/02;15,18/03	43145	4	12/03	44041	7	48/02;1,9,10,13,16,20,23, 28/03	44281	2	49/02;12,15,19,21,22,27, 45,49/03
37326	2	34,47,51/02;15,18,21, 36/03	43146	3	35,38/03	44042	7	44,45,49/02;4,7,9,10,11, 17,19,20,25,27,28,29, 32/03	44282	1	49,50/02;13,17,19,21, 26/03
37328	2	42,44/02;11,15,21,24/03	43148	4	43/03	44043	8	44/02;1,6,9,10,11,13, 16/03	44283	2	50/02;8,21,43,45,49/03
37330	2	34,38,40,46/02;9,13, 14/03	43150	2	N34,N35,N38,N41/03	44044	6	10,13,16,44/03	44284	2	41/02;6,42,44/03
37342	3	2,11,15,21,45/03	43160	6	34,35,36,38,41/03	44045	6	22,44/03	44285	1	2,15,40,44,47/03
37343	10	45/02	43161	2	41,44/02;35,41/03	44046	10	22,24/03	44286	1	2,27,40,47/03
37344	11	34/02;21,38,45/03	43162	3	41/03	44047	22	44/02;10,12,22,24,30,31, 32,40,48/03	44310	5	41,42/02;7,37/03
37360	15	34,43/02;2,9,10,11,15,17, 21,24,31,36,38,39,43,44, 45/03	43163	3	44/02;41/03	44048	11	5,12,18,22,25,27,31,40, 48/03	44313	1	41,47/02;36,37,39,40/03
37362	6	43,48,51/02;1,2,4,17,22, 32,33,38,39/03	43164	3	48/02;6,34/03	44049	9	44,46,50/02;8,14,22,24, 30,31,40,48/03	44319	2	41,42/02;4,6,9,10,P20, 26,27,28/03
37363	8	48/02;4,7,17,32/03	43165	2	56,34/03	44050	21	20,31,32/03	44320	4	6,8,9,15,P20,25,26,37, 49/03
37367	1	38,49/02	43166	2	43/03	44051	1	44,48,50/02;1,11,14,22, 25,26,27/03	44321	6	40/02;6,8,44,45/03
37380	2	34,40,42,43,44,48,51/02; 9,10,17,21,38,39,41, 43/03	43167	5	36,42,44/03	44052	5	29,30/03	44340	11	37/02;4,6,8,9,15,17,P20, 26,33,37,49/03
37400	10	34,38,40,41,44,46/02;6, 10,20,31,34,36,41,43,46, 47/03	43204	4	36/03	44053	21	24,32/03	44341	7	37,41/02;7,9,P20,26/03
37401	9	44/02;4,6,13,14,16,22,31, 36,43,44,47/03	43205	4	41/02	44054	8	28,40/03			
37402	7	41,42,44,50/02;4,13, 14/03	43206	4	42/02	44055	1	44,48,50/02;1,11,14,22, 25,26,27/03			
37403	23	10,41/03	43207	4	43/02	44056	21	24,32/03			
37420	1	34,43/02;1,7,41/03	43208	5	46/03	44057	5	29,30/03			
37421	8	14,21,41/03	43209	5	47,52/02	44058	21	24,32/03			
37424	5	14,21,41/03	43210	4	47,52/02	44059	9	44,46,50/02;8,14,22,24, 30,31,40,48/03			
37430	2	38,45/03	43211	5	46/03	44060	21	20,31,32/03			
37443	2	38,45/03	43212	5	46/03	44061	21	24,32/03			
37445	1	48/02;1,34,38/03	43213	5	46/03	44062	8	28,40/03			
			43214	5	44/03	44063	8	17/03			
			43215	3	9,44,46,47/03	44064	19	22,28/03			
			43216	1	44,46/03	44065	7	42/02;16,17/03			
			43217	5	46/03	44066	10	39/02;31/03			
			43218	4	47,52/02	44067	2				

SECTION I

NM 49/03

CHARTS AFFECTED BY NOTICE TO MARINERS

NM 33/02 THROUGH NM 49/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
44342	8	37,41/02;6/03	51620	10	20,39/03	53100	16	33,39,42,51/02;6,10,13,	54180	6	41,43,50/02;5,30,42,
44352	2	4,6,7,8,12,15,17,19,49/03	51621	9	20/03	53101	7	18,20,21,24,31/03		47/03	
44360	9	34,37,41,42/02;4,9,10,20,	51641	4	32,34,40/03	53104	2	35,42/02;20,24/03	54181	7	48/03*
		27,28,30,31,32,37,39,	52031	1	6,21,48,49/03	53105	20	37/02;8/03	54195	2	5/03
		44/03	52039	4	5*,7,8,9,13,14,18,21,	53106	6	21,33/03	54200	4	5,8/03
44361	6	4,10,15,21,26,27,28,	52040	17	43,50/02;13,16,18,34/03	53107	16	35/02;6/03	54201	6	8/03
		35/03	52042	6	22/03*	53110	1	40/02;10,15,17/03	54222	4	43/02;20/03
44365	1	7,8,26,27,43/03	52043	21	46/02;6,7,48/03	53111	3	44/02*	54223	2	8/03
44366	1	34,41/02;44/03	52045	6	36/02	53120	14	39,42/02;5,6,7,13,17,31,	54224	2	8/03
44367	2	35,37,40/02;6,39/03	52046	21	50/02;6,7,16,18,21/03			35/03	54226	2	50/02;47/03
44400	4	48/02;4,6,7,8,9,12,15,17,	52047	11	7,8,34/03	53122	3	40/02;7,8,16/03	54227	2	50/02;47/03
		19,23,24,25,27,34,41,	52048	3	8/03	53123	3	7,29/03	54266	2	13/03
44401	7	10,12,19,24,41,49/03	52051	1	43/02	53125	2	46,51/02;13/03	54279	4	50/02*,2,15/03
44410	4	4,6,11,12,13,14,15,23,24,	52052	1	43/02	53130	1	42,47/02;10,13,18/03	54280	10	5,15,22/03
		26,27,41,45,49/03	52054	1	14/03	53133	4	33*,45/03	54282	1	51/02
44420	6	36,49/02;8,9,10,11,12,14,	52055	1	14/03	53135	2	51/02;7/03	54283	5	52/02
		17,22,25,27,40,44,49/03	52060	16	43,50,51/02;7,12,P20,26,	53141	5	34,51,52/02	54284	1	51/02;15,34/03
44430	2	6,10,11,14,19,24,25,40,			29,34/03	53147	3	36,39,42,51/02;6,7,10,13,	54287	7	5,15/03
44444	6	9,12,30,34,35,36,38,	52061	2	45,48,51/02;7,12,20,P20,			17,20,35/03	54288	5	1/03
		41/03	52062	7	7,12,23,29,34/03	53160	14	51/02;3,6/03	54302	1	21/03
44461	10	6,10,24,25,26,28,31,36,	52066	3	50/02;14,16/03	53161	8	51/02;3,8,13,18/03	54318	3	1,14/03
		47/03	52080	14	50,51/02;4,7,10,11,12,14,	53162	7	50/02*,15/03	54320	4	48/02;1,24,25/03
44462	4	27,39/03			20,P20,26,48,49/03	53164	9	37,51/02	54321	2	25/03
44463	9	24/03	52082	3	45,46,48/02;11,12,20,	53165	13	39/02;8/03	54322	7	1/03
44465	2	6,25,47/03			P20,26/03	53180	10	33,34,43,51/02;1,3,6,7,	54329	4	5/03
44481	2	24,26,31/03	52083	2	45,46,51/02;1,16,46,	53184	13	15,18,20,21,29/03	54332	3	25/03
51007	22	38/02;7,27,33,40/03	52084	2	45/02;4,10,11,12,14,	53200	6	33,36,43/02;5,6,7,15,16,	54333	3	25/03
51013	4	38/02;7,21,33,36,45/03			18/03	53201	6	51/02;18,21,38/03	54334	3	5/03
51017	31	37/02;24,40,44/03	52085	3	50,51/02;4,11,16,46/03	53202	6	15,17/03	54344	6	48/02;24/03
51022	11	37/02;44/03	52086	2	45,50,51/02;1,4,9,11,14,	53203	11	5/03	54346	8	11,12,13/03
51027	8	45/03			36/03	53204	10	44/02;5/03	54347	4	51/02
51032	10	45/03	52087	1	51/02	53205	3	5,26/03	54350	4	51/02;37/03
51061	14	1,7,15,17,19,21,22/03	52088	2	45/02;4,10,11,12,14,18,	53206	6	5,25/03	54351	7	52/02;26/03
51062	28	15,17,19,22/03			P20,26,49/03	53211	8	45,46/02;1,6,8,11,16,	54352	3	52/02;1,3,33,37/03
51064	2	52/02;1,17/03	52092	1	46,51/02;16,48/03	53212	14	34/02;1,13,21/03	54359	2	38/03
51081	10	5,6,13,15,17,21,22,45/03	52120	12	51/02;6,11,16,18/03	53212	12	52/02;1,13/03	54360	12	52/02;20,21,34/03
51082	7	5,7,13,15,17,21,22,45/03	52121	8	45,46/02;1,6,8,11,16,	53214	2	1/03	54361	10	38/03
51100	7	1,6,7,8,9,14,27,33,34,			23/03	53215	7	42/02;21/03	54362	3	52/02
51103	10	33,45/02	52122	14	45/02;11,14/03	53216	5	37/02;17/03	54363	3	21/03
51104	1	33,45/02	52124	1	51/02	53217	5	17/03	54364	2	52/02
51120	6	6/03	52125	1	45,46/02;8,11,16,18/03	53218	6	36,43,51/02;5,16/03	54365	6	36/02;11,21/03
51135	1	22,46/03	52140	6	48,50/02;3,12,18,29,46,	53226	3	17,18,35/03	54369	4	52/02;20,21,34/03
51142	2	6,13,15,22,33,40,45/03			49/03	53227	12	52/02;1,13/03	54370	6	42/02;3,16,18,28,34/03
51143	4	6,40,45/03	52141	5	48/02;41,44,46,49/03	53228	4	35,41,46,52/02;15,16/03	54371	9	16,28,40/03
51144	3	52/02;1,15,46/03	52142	2	12,18,23,29/03	53229	4	42/02;7/03	54378	10	42/02;16,18/03
51145	2	42/02;13,22/03	52143	8	18/03	53230	3	7,15/03	54387	7	42/02;16,18,30,39,42/03
51146	3	42,52/02;5,36/03	52144	5	50/02;3,7,8,10,14,16,18,	53231	4	40,52/02;15,18/03	54389	8	43,52/02
51150	1	50,51/02;1,13,15,22,33,			21,23,47/03	53232	8	40/02	54400	8	43/02;3,16,22,30,36,
		40,46/03	52161	14	6,11,14/03	53233	1	35/02		37/03	
51154	3	50,51/02;13,15/03	52164	2	14/03	53234	2	2/03	54402	4	52/02
51155	1	50,51/02;1,15,22/03	52170	3	14,16,42/03	53235	4	33,52/02;40/03	54403	4	43,52/02;24,30,36/03
51158	2	6/03	52172	2	40/02;1/03	53236	1	37/02;17/03	54407	4	43/02;3,7,16,30,37,49/03
51159	3	47/02;39/03	52180	14	42,43,51/02;1,8,10,13,15,	53237	3	7,15/03	54416	5	33,37/03
51160	20	48,50,51/02;1,4,5,6,7,14,			16/03	53238	4	33,40/02;7,21,24/03	54417	1	30/03*
		15,21,22,45/03	52200	8	7,17/03	53239	2	35/02	54418	4	43/02;3,7,16,30,37,49/03
51163	4	4,43/03	52220	7	27/03	53240	1	35/02	54419	2	3/03
51164	18	38,45,46,50/02;2,4,8,	52221	7	27/03	53241	4	22/03	54421	6	47/02;36,41,43,46,49/03
		43/03	52223	4	27/03	53242	4	51/02	54422	4	46/03
51165	8	45,50/02;2,4,8,10,14,16,	52240	9	27/03	53243	6	49,51/02	54423	5	48/02*;17/03
		39/03	53011	2	51/02	53244	2	39/02;31,43/03	54430	1	37,43/02;36,43/03
51166	3	N45/02;N39/03	53031	1	39,48/02;5,12,14,24,31,	53245	3	39/02;37/03	54440	4	41/02;17,21,38/03
51167	6	45,50/02;2,4,8,10,16/03			49/03	53246	3	37/02;6,10,20/03	54441	6	42/02;2/03
51168	2	45,46,50/02;2,4,8,45/03	53058	2	4,37/03	53247	2	17/03	54442	5	17/03
51180	5	13,16/03	53060	14	51/02;4,5,9,10,12,14,31,	53248	4	42/02;7/03	54443	4	46/02*;11,15,19/03
51200	4	14/03			36,39,44/03	53249	5	37/02;16/03	54444	4	40/02;17,21/03
51220	8	33/02;18,43,45,46/03	53061	10	44,47/02;12,16,17,38,	53250	1	37,43,47/02	54445	5	21,43,49/03
51222	6	51/02;16/03			44/03	53251	3	1,13/03	55041	7	21,43,49/03
51223	2	17,18/03	53062	13	14,16/03	53252	3	10/03	55042	1	42/02;17,21,38/03
51240	2	33/02;43,46/03	53063	9	33*,37/03	53253	2	40/02;15,24,42/03	55043	2	37,39,42/02;37/03
51260	4	37,50/02;16,18,28,43,	53064	6	33/02;10,20,39/03	53254	3	46/02;11,15,19/03	55044	5	41,43/02;16,42/03
		44/03	53065	2	33/02;39/03	53255	3	46/02*;8,15,30,42/03	55045	2	41/02;39/03
51261	23	5,6,13,15,19,40,46/03	53066	2	33/02;20,39/03	53256	4	36/02*;8,13,17,19/03	55046	4	37,38,39,41,48/02;18,19,
51263	23	49/02;13,17/03	53081	8	4,5,11,16/03	53257	3	46/02*;15,30/03			
51341	23	49/02;6,16,34/03	53082	13	40/02	53258	5	37,39,41/02;15,17,19/03	55047	8	41,49/03
51342	3	1/03	53083	8	9,10,21,22,41/03	53259	3	46/02*;15,17,30,47/03	55048	12	36,37,39,41,48/02;20/03
51344	2	5,7,16,18,44/03	53084	6	51/02;14,16/03	53260	7	41/02;15,30,47/03			
51380	5	47/02;42/03	53085	6	51/02;14,16/03	53261	12	10,20,21/03			
51420	5	42/03	53086	8	46,48/02;17/03	53262	2	33,37/02;38/03			
51440	4	42/03	53087	9	48/02;17/03	53263	3	10/03			
51500	6	20/03	53088	7	33/02	53264	3	10/03			
51540	3	22,45/03	53089	4	21,22,23,41/03</td						

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 49/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.		
55049	6	41,43/02	57262	4	23/03	62271	5	37,41/02;10/03	63063	9	20/03		
55060	7	36,37/02;28/03	57381	12	52/02;15,16,23/03	62290	3	37,41/02;10,21,P23, 26/03	63065	6	44/03		
55061	1	28/03	57400	4	12/03	62295	3	21,P23,26/03	63070	3	16/03		
55062	5	28,33/03	57408	2	12,24/03	62302	2	4/03	63080	5	48/02		
55063	1	6,44/03	57420	3	12/03	62310	2	29/03	63090	8	15,30,40/03		
55064	3	37,48/02;6/03	57460	4	10,12,29/03	62330	2	38,40/02	63091	4	39,48,52/02;9/03		
55082	9	5,25,32,44,46/03	57471	3	12,15/03	62340	3	38/02	63100	2	44/02;30/03		
55084	7	39/02;39/03	57472	2	12/03	62343	3	8/03	63101	15	15,30,40/03		
55085	9	5,31,33,36,39,46/03	57480	8	12,15,23,27/03	62350	3	10/03	63102	19	15,30,40/03		
55100	8	36,37/02;6,28,29,33,34, 39,43,44/03	57482	12	24/03	62355	6	8,29/03	63103	17	15,16/03		
55101	4	7,25,32,34,38,39,42,43, 46/03	57484	19	15,23,24,27/03	62360	5	38,02/12/03	63110	4	40/02;16/03		
55102	3	4,15,25,32,36,43,46/03	57488	6	24/03	62361	2	N38/02;N12/03	63111	9	48/02;9/03		
55103	2	48/02;1,4,5,7,15,19,20, 25,26,27,31,35,36,38,42, 43,45,46/03	61000	20	10,15,23,27,31/03	62366	4	33/03*	63120	2	44,48,52/02;8/03		
55104	2	48/02;4,5,7,14,19,31,33, 36,45,46/03	61020	2	27/03	62391	5	33/03*	63121	5	48/02;5,8/03		
55105	7	36,41,42/02;14,15,29,33, 36,42,43,48/03	61036	8	7/03	62393	7	34,37,50/02	63200	5	52/02;30/03		
55110	2	37/02;6,29,43,44/03	61040	6	10,31/03	62394	10	34,37,50/02	63201	9	40/02;30/03		
55120	2	36/02;6,14,28,33,34, 42/03	61050	4	10,15,31/03	62395	3	25/03*	63205	2	30/03		
55127	2	10,14,24,27,32,36/03	61051	7	15,24/03	62400	17	33/02;4,9,31/03	63210	3	45,52/02;16,30/03		
55128	2	33,36,38/02;1,4,5,8,14, 26,27,28,32,34,43/03	61060	5	12,27,39/03	62401	9	6,10,41/03	63220	5	45,52/02		
55129	7	33,36,37/02;6,15,27,34, 35,42,45,46/03	61061	9	10,12,15,24/03	62402	10	10/03*	63230	6	45/02		
55130	2	45/02;5,14,19,32,33,34, 39,42,46/03	61070	4	9,39/03	62404	3	6/03	63232	3	45/02		
55131	1	36,45,42/02;6,19,25,38, 39/03	61071	9	18,39/03	62405	8	43/03	63240	4	19/03		
55133	3	5,14,34,36,38,46/03	61080	4	9/03	62406	2	33/02;28/03	63250	6	40/02;11/03		
55139	5	41/02	61090	5	12,27/03	62408	7	10/03	63252	1	33/03		
55140	2	1,5,14,29,33,34,35,36,42, 45,46,47/03	61091	5	12,18,24,27,35/03	62409	6	7/03	63271	8	52/02;8/03		
55150	2	37/02;15,36,48/03	61092	13	18,27,35,39/03	62411	1	52/02	63290	7	38/02;10,22/03		
55161	1	17,41,42/03	61100	4	10,12/03	62413	12	28/03*	63291	9	33/02;16/03		
55170	2	36,41/02;46/03	61110	3	25/03	62417	1	52/02	63310	5	11/03		
55180	2	33/02;1,15,29,33,36,39, 42,45,46,47/03	61111	12	25,27,34/03	62419	6	33/02;8/03	63320	8	37,49/03		
55190	2	6,20,27,39,40/03	61112	10	35/03	62420	5	33,37,39/02;8/03	63321	6	42/02;9,37,49/03		
55200	2	8,10,20,25,26,27,28,32, 33,36,39,42,45,46,47/03	61141	6	38/02;35/03	62429	9	39,43/02	63322	2	9,49/03		
56031	1	1,2,17,21/03	61180	4	38/03	62431	8	37/02	63330	9	39/02;4/03		
56041	4	21/03	61190	4	39,41/02	62432	15	34/02/2;03	63337	15	39/02;4/03		
56044	3	38/02	61204	5	13/03	62433	12	34,45/02/1;03	63370	1	20/03		
56060	9	27*,38/03	61300	2	7/03	62434	9	40,46,52/02;8,12,17,18, 21,23,43/03	63400	1	39/02;8,11/03		
56063	1	16/03	61310	2	33/02;7/03	62437	10	30*,32,35,37/03	63410	6	39/02;8,9/03		
56064	6	38/02;2,16/03	61311	5	33/02	62439	4	1/03	63413	5	39/02		
56065	3	33,38/02;16,38/03	61312	3	33/02	62440	8	16*,41/03	63417	2	39/02		
56067	3	48/02*;20,38/03	61331	4	7/03	62441	10	36/02	63420	2	39,45/02;8/03		
56081	19	41/02	61400	2	7/03	62442	6	24/03	63424	2	45/02		
56082	16	29/03	61410	2	7/03	62446	3	43/03	71005	1	34/02;2,6,12,13,16,23/03		
56100	14	33/03*	61430	2	7/03	62453	4	16/03*	71006	5	39/02;23/03		
56101	6	33/02;1/03	61433	1	7/03	62454	7	39,43/02	71009	3	39,46,48/02;1,6,7/03		
56102	23	1/03	61434	2	7/03	62457	6	11/03*	71012	3	33,39,46/02;1/03		
56103	6	1,33/03	61548	8	41/03	62459	2	6,41/03	71015	4	23/03		
56104	3	22/03*	61560	2	7/03	62460	4	33/02;10/03	71018	10	33,35,37/02;7,12,13,15, 21,25,26,27/03		
56105	1	38/03*	61562	2	6/03	62464	2	49,50/02;4,9,31/03	71027	9	34,38,45,49/02;2,4,5,14, 18,23,33/03		
56120	12	1/03	61581	5	28/03	62480	2	16*,18,32,41/03	71033	31	37,38,49/02;3,12,14,15, 23/03		
57000	10	43/03	61582	4	28/03	62490	2	16*,17,18,21,32/03	71036	8	35,44/02;12,14,23,26/03		
57029	9	12/03	61591	4	28/03	62499	4	49,50/02;4,9,31/03	71040	5	34,42/02;7,47/03		
57035	10	10,12,23/03	61610	7	34/03	62510	3	11*,12/03	71042	1	34/02		
57060	7	43/03	61611	11	34/03	62512	3	N11*,N12/03	71045	2	23/03		
57063	5	40,41/02	61612	4	34/03	62515	2	45/02	71058	2	36/02		
57064	3	41/02	61650	3	12/03	62520	6	20*,28,32,41/03	71059	1	36/02		
57101	18	41/02	62000	20	46/02	62521	4	N20*,N28,N32,N41/03	71061	15	36/02		
57103	2	16/03	62001	5	11*,28/03	62530	6	20*,28,32/03	71066	1	39/02;6,7,10,24/03		
57120	13	43/02	62024	13	38,40/02;29/03	62531	4	N20*,N28,N32/03	71081	3	21/03		
57140	10	43/02	62028	15	10/03	62540	6	34,40,45,48,50,52/02;8, 12,17,18,21,30,35,43/03	71091	4	1,2/03		
57141	14	43/02	62042	10	32/03	62541	3	N34,N40,N45,N48,N50, N52/02;N8,N12,N17, N18,N21,N30,N35, N43/03	71140	6	33,39,46/02;1/03		
57142	6	43/02	62143	3	32/03	62580	3	33,45/02;12,35/03	71180	29	33,37/02;7,12,13,15,21, 23/03		
57160	10	43/02	62170	2	38/02	62590	2	36,40,46,48/02;8,12,17, 18,21,23,30,37,43/03	71185	24	7,13,15/03		
57162	7	43/02	62171	4	38,47/02	62591	3	N36,N46,N48/02;N8, N12,N17,N18,N21,N23, N30,N37,N43/03	71186	2	7/03		
57164	2	43/02	62191	15	11*,15,28/03	63000	13	48/02;40/03	71210	18	44/02;3,23,27/03		
57165	1	43/02	62194	8	36/02;4/03	63005	18	16/03	71211	4	38/02		
57170	1	43/02	62195	7	19/03*	63010	14	52/02;44/03	71212	1	38/02		
57200	6	11/03	62220	9	21/03*	63015	11	38,40,52/02;9/03	71230	11	38/02;6/03		
57220	4	11/03	62222	5	19/03*	63020	15	4,9,11/03	71241	10	6,12,16,20/03		
57241	12	31/03	62225	3	37/02;17/03	63040	2	46/02	71243	5	15/03*		
57242	8	41/03	62241	10	9/03	63050	2	46/02;45/03	71247	18	5,6,8,14,17,21,22/03		
57245	1	41/03	62242	11	47/02;9/03	63053	4	39,45/03	71248	2	N51/02*;N1/03		
57260	3	23/03	62250	4	34,38/02;32/03	63060	7	45/03	71249	2	35/02		
57261	2	23/03	62270	4	37,41/02;29,32/03	63062	7	7,16,18,37,44/03	71251	11	35,40/02;1,15,21/03		
									16,17,21/03	71253	10	35,40,42/02;5,6,7,13,14,	
										16,17,21/03	71255	6	28/03*
											71257	2	5,6,7,12,13,16/03
											71258	2	35/02;5,6,7,13,22/03
											71259	3	15*,17,19,44/03
											71261	8	35/02;2,16/03
											71262	7	6,33/03
											71265	3	46*,49/02;7,13,15,16, 20/03

CHARTS AFFECTED BY NOTICE TO MARINERS

NM 33/02 THROUGH NM 49/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
71271	10	34,52/02;19/03	73631	4	36,46/02;1,17,40/03	74292	8	34,38/02;9,27/03	75177	7	38,48,50,52/02;6,26, 38/03
71272	10	34/02;19/03	73640	5	36/02;16,40/03	74293	7	34,45,48/02;9,16/03	75180	2	8,25,38/03
71275	3	35/02;2,6,16,19,33/03	73650	5	40/03	74294	3	34,45/02	75185	2	47/02;8,36/03
71281	7	51/02;34/03	73653	1	40/03	74295	3	4,9,27,29,35/03	75190	2	47/02;25,36/03
71285	3	34,52/02;13,19/03	74000	6	36,47/02;2,7,18,41/03	74296	4	34,38,49/02;9,27/03	75191	6	37,38,43,47/02;8,19,30, 34,36,38/03
71295	2	34,39,40,52/02;12,19/03	74002	2	35,47/02;31/03	74320	3	35/02;8,18,41,43/03	75193	6	49/02;1,5,7,10,16,19, 35/03
71305	2	34,36/02;2,13,23/03	74003	5	47/02;7,10,31,34/03	74340	3	16/03	75207	2	36,52/02;4,16,33,37,43, 49/03
71311	4	7/03	74004	2	35,37,39,47/02;9,30/03	74350	4	16,44/03	75208	2	50/02;30,33/03
71313	8	45/02	74005	2	34,35,46,47,51/02;4,7,9, 16,27,30,38/03	74376	5	43/02;9,16,44/03	75213	2	36,52/02;33,38/03
71314	5	6,10/03	74007	1	36/02;46/03	74380	4	8,9,26/03	75215	2	36,39,40,52/02;7,33, 38/03
71315	2	34/02	74008	6	51/02	74391	3	26/03	75220	12	36,39,49/02;4,20,26, 39/03
71320	1	35/02;5,14,33,38/03	74009	10	38,49/02;8,9,21,36,44/03	74392	7	39/02;25,49/03	75222	8	35,40/02
71325	8	5/03	74012	10	37,40,49/02;6,8,19,20,27, 36,37/03	74393	9	38,41,50/02;3,39/03	75240	4	36,39/02;2,4,27,39/03
71330	13	35/02;5,33,38/03	74015	10	40/02;21,31,36/03	74410	3	38/02;7/03	75241	6	34,36/02;26,35/03
71331	11	5,7,8,33,38/03	74016	3	27,42,48/03	74415	1	39/02	75251	5	33,48/02;3,19,37,49/03
71333	2	6,7,33/03	74017	4	37,45/02;18,31,38/03	74420	3	45/02;19,27,30/03	75261	6	33,36,48/02;3,6,26,31, 38/03
71335	2	8,38/03	74018	6	44/02	74430	2	49/02	75262	6	38/02;16/03
71340	11	40,46/02;2,4,5,6,7,33/03	74020	4	33,37,38,43/02;5,18,31, 38/03	74440	3	39/02;2/03	75263	9	5,26,31/03
71343	3	7/03	74021	7	33,35,39,44/02;7,10,26, 31,35/03	74450	3	49/02;2,37/03	75264	17	33,34,37,41,42,44,45/02; 2,27,32/03
71348	3	35/02;7,23/03	74022	2	42/03	74455	3	48/02;1,4,38,49/03	75265	2	6,20,31,32,38,40/03
71349	2	23/03	74023	5	51/02	74460	4	37,40,46,49/02;6,20, 37/03	76015	1	35,40/02;28,45/03
71350	8	5,6,7,14/03	74024	7	44/02;36,49/03	74465	2	9,36,38/03	76030	9	49/02
71400	5	14,23/03	74027	9	43,44/02;39/03	74470	2	8/03	76040	8	47/03
71401	1	40,46,51/02;5/03	74030	6	51/02;42/03	74475	2	44/02;42,48/03	76050	8	49/02;18,28/03
71402	1	40,46/02;4,5,6,33/03	74051	2	42/03	74480	2	44/02	76052	8	4,5,28/03
71410	1	39/02;12,23/03	74053	2	51/02	74485	3	43/02	76054	5	49/02
71420	1	38,39/02;3,12,14,23/03	74151	9	36,44/02;2,20,29,40, 41/03	74493	3	38,43,45/02	76056	3	9,37/03
71430	3	11*,20,23/03	74152	11	36,44/02;27,30,34/03	74494	2	41/02;8,9,16/03	76060	7	40/02
71445	1	7/03	74153	2	36,44/02;2,7,41/03	74510	2	33,35,37/02;5,10,17,18, 35,38/03	76061	3	40/02;9/03
71455	2	11*,23/03	74162	4	36,46,47/02;8/03	74515	4	33,35,39/02;4,7,10,31, 35/03	76070	9	35/02;28,45,47/03
71460	1	41/02;23/03	74171	4	33,36,47/02;3,10,18,20, 40/03	74517	3	39,41/02;4,31/03	76071	9	35/02;28/03
71470	2	38/02;14/03	74183	11	38,39,42/02;4,6,17,25, 38/03	74521	3	41/02	76080	8	1,18,47/03
72000	8	35,47,50/02;2,20,21,23, 24,27/03	74184	8	33,35,37,38,39,47/02;10, 34/03	74530	2	44/02;36,49/03	76081	7	28,37/03
72007	10	36,38,47,51/02;2,5,7,11, 27/03	74185	12	33,35,37,38,39,41,42,44, 51/02;6,10,17,25,34,38, 39,40,41,42,49/03	74535	2	42,44,48/02;36,38,49/03	76083	3	1,37/03
72014	10	46/02;7,19/03	74186	7	34/02;4,10,17,21,27,30, 36/03	74545	3	40/02;18,32/03	76120	6	45/03
72021	8	36,38,47,50,51/02;7,20, 23,27/03	74190	7	35,36,37,46/02;1,16,31, 34,39/03	74550	4	5,32/03	76121	8	47/03
72028	7	34/02;22/03	74191	2	35,46,48/02;1,7,9,29/03	74555	3	34,43,44,48,51/02;5/03	76140	7	46/02
72035	8	8,21,27/03	74192	3	35,46/02;1,40/03	74560	10	40,43,46,48,50/02;4,5,18, 31,32/03	76141	8	46/02;28,37,45/03
72045	2	8,27/03	74200	8	37,46/02;1,8,32,40/03	74561	2	5/03	76142	1	46/02;37,45/03
72050	4	23/03	74201	9	32/03	74581	9	34,36,40,41,43,45/02;27, 31,39,48/03	76144	1	28/03
72060	8	50/02	74202	3	1,7,27/03	74582	9	40/02;17,20,27,31,39, 48/03	76146	1	28,45/03
72070	4	2,9/03	74204	5	37/02;1,7,8,32,40,46/03	74591	7	40/02;8,38/03	76147	1	28/03
72075	2	9/03	74205	2	27,32,35/03	74595	2	42/03	76150	6	35/02
72080	7	51/02;2,9/03	74206	3	34/02;27,32,35/03	75000	6	47/02;6,31/03	76160	4	28/03
72085	3	15/03*	74207	7	7,19/03	75001	3	47/02;5,6,31,32/03	76161	10	40/02;47/03
72094	2	38/02;7/03	74208	8	37,46/02;1,8,32,40/03	75010	7	41,42,50/02	76162	1	18,28/03
72100	7	7,19/03	74209	9	32/03	75025	9	36,39/02;2,4,8,25,27,36, 38,39/03	76170	7	28/03
72103	2	4,6,7,19/03	74210	7	7,17,37,46/03	75035	18	36,39/02;2,6,26,27/03	76180	1	28/03
72105	2	36,38/02;7,11,19/03	74212	3	1,7,27/03	75051	6	5/03	81004	3	37*,43/03
72107	2	7,19/03	74214	2	33,37,43,47/02;18,26/03	75110	2	50/02	81048	8	28,43,49/03
72109	3	42,44/02	74216	7	39,42/02;5,7,36,46/03	75120	2	42/02	81054	13	14*,27,28,49/03
72110	6	43/02;5,8/03	74218	3	35,51/02;31,36/03	75131	7	17,39/03	81060	2	43/03
72120	8	27/03	74220	9	5,7,21/03	75132	11	17,19,25,29,32,35/03	81063	5	47/03
72123	4	46/02	74221	2	34/02;27,32,35/03	75134	3	33,51/02;5,19,29,37, 45/03	81067	6	46/03*
72131	3	11/03	74222	1	8,17/03	75142	5	36,42,50/02;35/03	81076	10	41*,44/03
72161	10	10/03	74223	8	34,39,42/02;4,5,7,8,9,41, 46/03	75143	4	33,36,38,42,50/02	81092	3	38*,50/02;32/03
72181	2	36/02;7,11/03	74225	8	34,37,42,44,46,51/02;6,9, 17,21/03	75144	3	33,36,42,51/02;5,7,8,16, 25,30,38/03	81711	6	31/03
72190	2	10/03	74227	3	38/02;7,38/03	75150	5	50/02;16,19,26/03	81715	4	31/03
72201	8/03		74229	9	38,46/02;19,26,27,29,30, 38/03	75160	6	17,18,19,25,32/03	82005	5	17/03
72211	6	43/02;5,8/03	74231	7	35/02;3,21,36/03	75170	12	38,39/02;8,25,38/03	82010	6	17,39/03
72223	8	27/03	74232	9	5,7,21/03	75171	22	33,36,38,40,42,48,52/02;	82015	13	39/03
72231	2	8/21/03	74234	1	8,17/03	75172	5	39/02;49/03	82020	7	39/03
72234	2	18,19/03	74240	8	34,39,42/02;4,5,7,8,9,41, 46/03	75173	9	33,36/02;1,6,20,26,35,38, 40/03	82192	6	43/03
72236	1	9,12/03	74242	7	4,19,29,30/03	75175	9	33,38,40,45,50/02;6, 17,21/03	82200	2	17,41/03
73000	9	40,52/02;10,20,21/03	74251	8	34,37,42,44,46,51/02;6,9, 17,21/03	75176	2	42,48/02	82210	2	42,48/02
73002	4	5,11/03	74252	9	47/02;5,7,9/03	75177	2	41/02;5,7,9/03	82215	2	41/03
73004	4	10/03	74253	6	47/02;8,9,16,20,21,30/03	75178	3	1,6,16,26,35,38,40,44/03	82224	5	35,42,48/02;20,39/03
73008	8	11,13,23/03	74255	6	47/02;8,9,16,20,21,30/03	75179	5	39/02;49/03	82244	5	35,42,48/02;20,39/03
73012	6	11/03*	74261	9	41,49/02;4,10,30,39/03	75180	2	40/02;16,19,26/03	82646	2	33/02
73014	10	48,52/02	74265	2	38,41,43,47,49/02;7,9,16,	75181	5	33/02	82649	5	33/02
73016	4	44/02	74270	3	38/02;7,38/03	75182	4	33,36,38,42,50/02	82683	4	33/02;17/03
73020	9	9,21,22/03	74271	9	38,46/02;19,26,27,29,30, 38/03	75183	18/03		82684	3	33,38/02;7,03
73024	3	39/02	74272	7	4,19,29,30/03	75184	18/03		82689	3	38/02;17/03
73030	4	22/03	74273	5	38,41,43/02;7,19,27/03	75185	9	33/02	82694	6	38/02;17/03
73032	4	9,									

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 49/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
83021	1	43/02	93730	3	39,40,42,45,47,50/02;2,4, 17,24,28,31,41,42,43,46, 47,48,49/03	95066	11	41,43,44,47,48,49,50/02; 1,5,6,17,19,21,23,25,27, 31,32,33,37/03	95255	2	44/02;1,7,13/03
83023	4	43/02	93733	13	39,45/02;4,19,20,25,40, 41,44,45,47,48/03	95067	13	41,44,46/02;1,5,10,17,23, 28,37/03	95258	3	6,16,18/03
83025	1	12,45/03	93734	11	45/02;4,19,20,25,40/03	95068	1	41,42,45,47/02;12,14,17, 25,28,29,37/03	95261	7	48/02;1,5,9,16,23,28,36, 47/03
83026	32	41/02;6/03	93736	22	41/02;4,20,25,40,41,45, 46/03	95080	13	33,40,44,45,50,52/02;1,6, 7,9,10,14,17,19,21,24,25, 27,28,30,31,32,48/03	95262	13	41,46/02;1,6,9,27,36/03
83039	11	41/02;6/03	93778	8	47/02;7/03	95082	9	33,44,46,52/02;8,9,10,12, 17,18,42/03	95264	8	48/02;25/03
83251	2	2,12/03	94004	6	33,37,44,52/02;8,9,10,12, 17,18,42/03	95083	8	33/02;1,4,19,28/03	95267	5	13,20,23,26,36,49/03
83252	8	2,12/03	94016	2	33,35,52/02;3,9,10,14,17, 21,33,47/03	95084	7	50,52/02;8,12,17/03	95268	16	39,48/02;6,9,13/03
83253	2	12/03	94028	7	40,42,52/02;1,6,7,8,9,11, 14,17,21,24,27,31,33, 40/03	95085	4	45,52/02;1,6,11,12,27, 33/03	95270	4	48/02;9,10,13,20,21,22, 23,26,36/03
83397	6	1/03	94033	5	19,21,23,29,42,44/03	95086	5	45,52/02;1,6,8,11,12,23, 27,31,33/03	95271	4	44,48/02;9,10,12,13,20, 26,36/03
83425	6	35/02	94040	13	37,47,51/02;6,8,10,17,18, 28,31,43/03	95087	3	33,40,48/02;1,8,30,31/03	95273	2	48/02
83473	7	37/03	94042	9	47,51/02;7,18,24,43, 45/03	95100	12	38,39,43,44,45,46,47,50, 52/02;1,4,6,7,8,9,10,17, 23,25,27,28,29,31,37/03	95285	3	18,20/03
83484	10	23,42/03	94060	10	33,37,46,47/02;7,8,10,12, 14,15,18,24,31,42/03	95101	8	39,44,50/02;1,5,6,9,14, 17,28,31/03	95300	5	45,48,52/02;44/03
83574	2	7/03	94061	5	33,35,47/02;23,31,42/03	95102	8	38,42,45,46,47,48,50, 52/02;1,4,5,8,13,14,17, 23,25,27/03	95320	15	35,38/02;20,21,26,33, 40/03
83580	2	8,45/03	94063	4	33,41/02;8,18/03	95103	8	42,43,45,47,52/02;4,6,7, 10,12,19,27,28,31/03	95341	8	42,47/02;1,10,40,44/03
83590	1	45/03	94067	10	33/02;10,11/03	95106	7	42,43,52/02;1,4,14,21, 26/03	95342	16	9,13,16,20/03
91005	6	45/02;19,42/03	94080	7	33,44,48/02;10,19,22, 32/03	95108	8	45,46,48,49,50,52/02;8, 16,17,19,23,24,25,27,28, 30,35,36/03	96004	14	44,45/02
91008	1	44,48/02;8,10,12/03	94082	8	44/02;8,19,22/03	95109	9	50,52/02;8,10,19,23, 29/03	96020	4	41/02
91010	6	48/02;10,12/03	94083	12	44/02	95110	15	38,40,41,44,48,49,52/02; 1,7,8,9,10,17,21,24,25, 27,29,33,35,37/03	96032	3	38/02,34/03
91020	5	19,46/03	94120	6	33,38,48,52/02;9,10,17, 18,21/03	95111	8	42,43,45,47,52/02;4,6,7, 10,12,19,27,28,31/03	96036	2	36/03
91025	8	46/03	94122	7	40/02;35/03	95112	7	42,43,52/02;1,4,14,21, 26/03	96039	7	23,44/03
91030	3	42/03	94123	9	33,38,42,44,52/02;9,10, 15,17,18,28/03	95113	8	45,46,48,49,50,52/02;8, 16,17,19,21,23,25,27,28, 30,35,36/03	96041	11	39,44,45/03
91170	2	38,41,44/02	94124	13	38,42,44,52/02;10,15,17,25, 28/03	95114	9	45,47,50,52/02;1,6,7,8, 17,19,21,23,25,29,37/03	96042	11	10,21,39,40,44,45/03
91280	7	19,43,46/03	94127	2	33,38/02;6,9,13,16,18/03	95115	10	50,52/02;8,10,19,23, 29/03	96044	10	23,38/03
91289	19	43/03	94160	7	33,38,44,46,47,50,51, 52/02;9,10,12,16,17,18, 19,28,31,41,42/03	95116	15	38,40,41,44,48,49,52/02; 1,7,8,9,10,11,13,16,21,23,24, 35,37/03	96120	6	21/03
91294	8	19/03	94164	2	46,50,51/02;12,16,19,41, 42,43/03	95117	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,23,24,25,27,28,30, 36/03	96340	4	45/03
91296	3	19/03	94165	4	50/02;18,24,43/03	95118	9	38,41,46,48,50,52/02;1,6, 8,9,10,11,13,16,21,23,24, 35,37/03	96379	1	10/03
91297	9	19/03	94180	9	42,44,47,50,51/02;23,28, 44/03	95119	2	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,23,24,25,27,28,30, 36/03	96381	2	10/03
91300	3	46/03	94184	2	N51/02	95120	7	42,43,52/02;1,4,14,21, 26/03	96382	2	10,12,21/03
91301	6	38,40,41/02;2,13,14,18, 24/03	94187	3	14,23,36,45,46/03	95121	8	45,47,50,52/02;1,6,7,8, 17,19,21,23,25,27,37/03	96400	4	12/03
93018	8	1,14,18,24/03	94188	2	44,46,47,51/02;8,28/03	95122	9	50,52/02;8,10,19,23, 29/03	96441	1	41/02;10/03
93020	2	38/02;4,13/03	94201	1	51/02;24,28/03	95123	10	41,42,44,46,47,52/02;10, 11,24,41,42/03	96480	3	41/02
93025	5	45/02;45/03	94203	10	41,42,44,46,47,52/02;10, 11,24,41,42/03	95124	11	41,42,44,45,46,47,48,49,52/02; 1,7,8,9,10,11,12,13,16, 17,19,23,24,25,27,28,30, 35,37/03	96500	6	41/02;10,39/03
93030	6	45/02	94206	3	41,42,44,47,52/02;11,19, 44/03	95125	11	40,45,47,48,49,50/02;1,5, 6,7,8,9,10,11,12,13,16, 17,19,23,24,25,27,28,30, 35,37/03	96520	7	10/03
93032	3	45/02;24/03	94207	5	N42,N44,N47,N52/02; N11,N19/03	95126	9	34,36,37,38,41,43,48,49, 52/02;8,9,19,24,25,27,30, 32,35/03	96521	3	21/03
93043	1	45/02	94208	6	N44/02	95127	14	36,38,39,40,41,44,46,47, 48,50,52/02;1,8,9,16,21, 23,24,31,32,35,37,48/03	96540	5	10/03
93046	1	45/02;5/03	94211	4	6/03	95128	17	34,36,37,38,40,47,50/02; 1,5,19,23,28,29,30,37/03	96560	5	10/03
93047	2	45,49/02;24/03	94212	3	36/02;6,18/03	95129	5	38,41,44,45,46,47,48,49,50,52/02; 1,8,9,10,11,13,16,21,23,24, 35,37/03	96580	3	10/03
93048	1	35,49/02;5,14,33/03	94219	1	47/02;46/03	95130	2	38,42,44,47,48,49,50,52/02; 1,8,9,10,11,13,16,21,23,24, 35,37/03	96620	3	38/03
93049	1	45/02;4/03	94220	4	41,42,47,49,49/02;8,10,11, 17,18,33,42,44,47/03	95131	5	38,42,44,45,46,47,48,49,50,52/02; 1,8,9,10,11,13,16,21,23,24, 35,37/03	96621	5	10,38/03
93061	4	45/02	94260	5	49/02;1,6,11,31/03	95132	5	46,38,39,40,41,44,46,47, 48,50,52/02;1,8,9,16,21, 23,24,31,32,35,37,48/03	96660	4	36/03
93101	2	N34,N38/02;N2/03	94280	6	N44/02	95133	17	34,36,37,38,40,47,50/02; 1,5,19,23,28,29,30,37/03	96760	4	35,45/02
93110	2	38,40,41/02;1,2/03	94281	6	6/03	95134	17	37,38/02;6,9,19,28,30,31, 32,35/03	96762	3	17/03
93115	2	40,41/02	94282	9	46/02;8/03	95135	2	43,36,37,38,40,47,50/02; 1,5,19,23,28,29,30,37/03	96763	7	43,48/02;9,17,32,37, 45/03
93117	2	40,41/02	94283	7	46/02;8,12,32/03	95136	9	34,36/03*	96764	3	34/03*
93118	4	34/02;1,14,24,47/03	94289	2	1,7,31/03	95137	3	46,800	4	41/02	
93120	7	34/02;47/03	94290	14	8,47/03	95138	3	46,901	3	7/03	
93122	6	34/02;47/03	94291	3	43/02;6,13/03	95139	2	46,902	2	45/02	
93240	11	34/02;16,24,47/03	94292	5	51/02;15,32/03	95140	3	46,904	3	34/03*	
93241	9	8,16,25/03	94298	6	4,6/03	95141	9	46,910	1	10/03	
93243	6	42/02	94298	9	46/02;8/03	95142	10	46,910	1	10/03	
93244	7	16/03	94298	7	46/02;8,12,32/03	95143	17	46,910	1	10/03	
93245	6	16,24/03	94299	2	1,7,31/03	95144	2	46,913	2	40/02	
93260	8	7,18,47/03	94322	14	8,47/03	95145	3	46,913	4	4/03	
93261	5	7,47/03	94361	13	13,15/03	95146	4	46,913	3	4,7,9,22/03	
93280	4	18/03	94363	4	43/02;16,18,29/03	95147	2	46,914	8	47/02;47/03	
93360	5	38/02	94368	4	N5,N6,N18/03	95148	1	46,914	8	47/02;47/03	
93520	13	45/02;15/03	94384	3	5/03	95149	15	46,944	15	44/02;20,22,23,42/03	
93610	3	44,45/02;6/03	94420	3	39/02;4,8,11,13,14,23,42, 44,47/03	95150	16	46,945	3	43,52/02;20,22,23,42/03	
93650	2	44/02;6,24,28,49/03	94421	10	45/02;4/03	95151	17	46,947	15	6,12,13/03	
93652	2	3,6,24,49/03	94423	12	45/02;11/03	95152	5	46,948	8	21,22/03	
93680	3	45,47/02;24/03	94440	2	46/02;18/03	95153	2	46,949	21	45/02;22/03	
93690	2	44/02;6,45/03	95016	8	40/02	95154	2	46,960	3	7,47/03	
93698	3	45/02;28/03	95040	8	40/02;11/03	95155	2	46,962	4	35/02;1,9,22,33/03	
93710	3	6,15,43/03	95041	7	23/03	95156	2	46,962	4	35/02;1,9,22,33/03	
93720	10	39,45,50/02;8,15,17,20, 24,28,44,47,48/03	95060	13	40,43,44,47,48,52/02;1,6, 6,11,14,17,19,21,23,29,31, 33/03	95157	10	47,000	3	17,40/03	
93721	5	39,42,45,50/02;4,11,17, 20,23,25,40,41,43,44,45, 46,48									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 33/02 THROUGH NM 49/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
97080	5	16,22,26/03	97229	12	36,39,47/02;6,8,9,18,28, 33/03	97440	8	52/02;1,16,19,27,43, 47/03
97082	5	46/02;16,34/03	97230	18	36,52/02;6,9,28,33/03	97441	5	46/02;47/03
97083	3	29,34,35/03	97231	11	41/02;6,23,33/03	97443	6	15,19,25,47/03
97100	4	42,47/02;16,17,26,49/03	97232	8	22,25,33/03	97460	7	40/02;5,19,21,47/03
97101	1	21,25,26/03	97233	11	33,43,44,49/02;1,5,6,9, 15,16,23,33,35/03	97461	9	5,8,19,21,22,23,26/03
97104	4	7,41/03	97234	17	43,47,49/02;1,6,8,9,16, 41/03	97465	9	1,6,8,19,20,22,33,37/03
97105	3	41/03	97236	20	47/02;9,16,23,35,41/03	97466	2	46/02;1,23,27/03
97108	3	21,25,26,47/03	97237	6	41/03	97469	10	1,6,8,19,20,22,33,37/03
97120	6	37,40,42,43/02;9,14,16, 17,25,40,44,45,49/03	97239	10	33/02;1,5,9,16,23/03	97471	5	N22,N33/03
97140	17	33,37,39,43,45/02;7,9,14, 16,25,40,44,45,46,49/03	97241	6	10/03	97472	8	34/02;33/03
97141	5	40,46/02;8,13,20/03	97243	8	33,48/02;1,5,6,21,27, 33/03	97474	7	22/03
97143	11	43,45/02;9,13,20,25,26, 44,49/03	97244	5	9/03	97480	7	35,52/02;3,9,10,17,18, 21/03
97144	14	44*,46/02;7,8,9,13,20,39, 44,49/03	97245	11	36/02;1,5,9,29/03	97481	6	47,49/02;9,18,20/03
97145	1	43/02;8,9,25,40,45,47/03	97246	7	43,52/02;5/03	97483	7	48,52/02;20/03
97146	10	44/02*,15,39/03	97251	4	6,10,17,36/03	97521	6	42/02;16,18,20/03
97148	9	45/02;9,27/03	97261	15	41/02;1,5,7,18,21,26, 44/03	97564	3	16/03
97149	20	34,35,44,45/02;1,16, 25/03	97262	10	34/02;1,5,6,7,15,21,26, 33,46/03	800744	1	N49/02;N5,N12,N13, N16,N36,N47/03
97150	13	34,39,43,44/02;20,27,42, 49/03	97263	10	5,7,9,15,18,21,46/03	801217	1	N6,N8,N19,N20,N22, N33,N37/03
97151	16	35,44,45/02;12,13,14,16, 20,25,49/03	97266	5	37,41/02;1,5,6,7,14,15, 18,26,42/03	801885	3	N34/03
97152	8	37/02;20/03	97267	16	40,41/02;1,5,6,8,10,13, 18,26,27,42/03	801902	9	N25,N31/03
97153	7	16,20/03	97268	10	6/03	801953	1	N39/03
97154	2	36/02	97269	11	45/02;8,13,18,27/03	802202	8	N35/02;N1,N7/03
97155	14	35,36,37,39,40,48/02;12, 13,18,20,28/03	97270	6	36,44/02;1,5/03	804059	2	N43/03
97156	6	37/02;1,14/03	97271	12	37,39/02;6,10,12,26,35, 41,44/03	804567	4	N31/03
97157	2	40/03*	97272	11	52/02;6,10,12,14,23,37, 47/03	805118	3	N12,N36/03
97158	4	25/03	97273	11	34/03*	805647	2	N37,N51/02;N30/03
97159	6	33,39/02;7,14,16,44, 46/03	97274	19	34,39,45/02;6,9,15,17,18, 23,37,47/03	806927	8	N25,N30,N39/03
97163	14	14,36/03	97276	1	40/02;9/03	807370	5	N17,N25,N30,N31, N39/03
97164	1	7,14,16/03	97277	11	1,5,6,8,9,14,35,39/03	807861	2	N22/03
97165	1	7,16/03	97278	11	39/02;1,20,35,39,49/03	808365	2	N14/03
97166	1	33/02;21,46/03	97279	9	9,27/03	809055	7	N16/03
97167	2	33/02;21/03	97280	4	52/02	809310	9	N39/02
97180	6	34,39,43,45,46,48/02;4,8, 13,20,22,26,44/03	97281	2	41/02	809679	2	N50/02;N12,N27/03
97181	20	34,46,48/02;1,4,7,8,12, 13,14,17,18,20,22,23,26, 27,35,44,46/03	97283	3	45/02;9/03			
97182	13	34,39,46,48/02;1,4,5,6,7, 8,12,14,17,18,20,21,22, 23,27,35,46/03	97285	6	34,42/02;7,13,17,36/03			
97183	9	44/02;5,9,14,16,18,22,26, 43,44/03	97286	6	34,35,36,41,42/02;6,8,10, 13,17,35,36,38/03			
97184	15	47/02;1,7,12,14,18,22,39, 44/03	97287	5	34/02;20/03			
97185	2	43/02;1,7,46/03	97300	6	1,13,25,26/03			
97187	3	44,48/02;9,18/03	97303	3	47,48/02;45/03			
97188	2	1,7,13,17,20,22,27,35/03	97320	6	33/02;14,25,46/03			
97189	2	44/02;9,14,18,22,39, 43/03	97340	8	33,38,52/02;16,17,18,22, 36,46,47/03			
97190	2	34,39,52/02;8,13/03	97341	9	34/02;16,21,47/03			
97200	9	52/02;8,16,17,22,25,26, 29/03	97342	14	38/02;17,18,22,27,43/03			
97201	7	18,28/03	97343	12	38/02;17,25/03			
97202	15	43,44,52/02;20,25/03	97360	6	38/02;5,7,13,18,27,43,45, 47/03			
97204	9	45,52/02;4,6,10,19,20,25, 33,43,45,47/03	97380	7	39,47,52/02;1,2,8,16,23, 38,40,45/03			
97205	3	18,28/03	97381	7	7,13,27,43,45/03			
97206	2	23/03	97382	2	41,45/02;4,42/03			
97218	3	41/02;6,33/03	97383	16	5,7,13,42,46,47/03			
97219	4	6,9,13,20,23,25,47/03	97384	4	47/02;19/03			
97220	3	37,39,42,43,44/02;6,8,9, 17,18,23,29,33,46,49/03	97385	10	52/02;5,6,7,9,46,47/03			
97221	20	37,39,42,44,45,49,52/02; 6,8,9,10,13,17,18,19,20, 22,23,25,26,29,33,46/03	97387	2	4,5,7,42,46/03			
97222	12	47/02;10,22,29/03	97389	2	45*,47/03			
97223	3	42,44,48/02;16,17,22,23, 46/03	97390	5	39,40/02;2,5,12,16,36/03			
97224	6	46,47,49/02;45/03	97391	26	6,7,12,16/03			
97225	31	37,39,42,43,44,45/02;6,8,9, 10,17,18,19,23,25,33,45, 46,49/03	97392	5	1,21,23,26,33,38/03			
97226	7	18,41/03	97396	14	36,39,40/02;2,16,17,23, 33,38/03			
97227	11	42,43/02;9,18,30,34/03	97397	7	39,49/02;16,26,44,49/03			
97228	15	39,40,42,43/02;5,6,9,15, 17,18,20,21,22,27,29,35, 49/03	97398	4	43/03*			
			97400	4	34*,44,44,49/03			
			97410	8	17,19,45/03			
			97412	7	40/02;47/03			
			97420	17	34,39,42,47,52/02;1,8,10, 33,38,40,45/03			
			97421	13	35,36/02;1,10,13,20,26, 36/03			
			97423	2	35,36/02;1,13,20,26, 36/03			
			97425	6	34,39,47,52/02;1,6,8,10, 45/03			

SECTION II**NM 49/03****NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS**

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
DNCDX017 (7644014337969)	MISCELLANEOUS CHARTS AND PUBLICATIONS Eastern United States		<u>35</u>	<u>8/03</u>	DS	10-43	49/03	

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
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CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS

PUB 125 7 Ed 2003 LAST NM 43/03

Page 20—Line 17/R; insert after:

Manta is a medium size commercial port.
(BA NP 7)

49/03

Page 20—Line 29/R; insert after:

It was reported that the harbor was dredged in 1999 and that there are depths from 10 to 12m in the vicinity of the piers.

(BA NP 7) 49/03

PUB 160 2 Ed 2002 LAST NM 48/03

Page III—Line 20/L; read:

Notice to Mariners, as well as on the NIMA Maritime Safety Information Division website (http://164.214.12.145/untm/untm_j_pubscorrect_query.html?class_flag=N).

(NIMA) 49/03

Page III—Lines 25/L to 44/R; read:

Bearings.—Bearings are true, and are expressed in degrees from 000° (north) to 360°, measured clockwise. General bearings are expressed by the initial letters of the points of the compass (e.g. N, NNE, NE, etc.). Adjective and adverb endings have been discarded. Wherever precise bearings are intended degrees are used.

Corrective Information.—Corrective information and other comments about this publication can be forwarded to NIMA, as follows:

1. Mailing address—

MARITIME SAFETY INFORMATION DIVISION
ST D 44
NATIONAL IMAGERY AND MAPPING
AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003

2. E-mail address—

sdpubs@nima.mil

Courses.—Courses are true, and are expressed in the same manner as bearings. The directives “steer” and “make good” a course mean, without exception, to proceed from a point of origin along a track having the identical meridional angle as the designated course. Vessels following the directives must allow for every influence tending to cause deviation from such track, and navigate so that the designated course is continuously being made good.

Currents.—Current directions are the true directions toward which currents set.

Distances.—Distances are expressed in nautical miles of 1 minute of latitude. Distances of less than 1 mile are expressed in meters, or tenths of miles.

Geographic Names.—Geographic names are generally those used by the nation having sovereignty. Names in parentheses following another name are alternate names that may appear on some charts. In general, alternate names are

quoted only in the principal description of the place. Diacritical marks, such as accents, cedillas, and circumflexes, which are related to specific letters in certain foreign languages, are not used in the interest of typographical simplicity.

Geographic names or their spellings do not necessarily reflect recognition of the political status of an area by the United States Government.

Heights.—Heights are referred to the plane of reference used for that purpose on the charts and are expressed in meters.

Internet Links.—This publication provides Internet links to web sites concerned with maritime navigational safety, including but not limited to, Federal government sites, foreign Hydrographic Offices, and foreign public/private port facilities. NIMA makes no claims, promises, or guarantees concerning the accuracy, completeness, or adequacy of the contents of these web sites and expressly disclaims any liability for errors and omissions in the contents of these web sites.

Lights and Fog Signals.—Lights and fog signals are not described, and light sectors are not usually defined. The Light Lists should be consulted for complete information.

National Ocean Claims.—Information on national ocean claims, which has been compiled from the best available sources, is provided solely in the interest of the navigational safety of shipping and in no way constitutes legal recognition by the United States. These non-recognized claims and requirements may include, but are not limited to:

1. A requirement by a state for advance permission or notification for innocent passage of warships in the territorial sea.

2. Straight baseline, internal waters, or historic waters claims.

3. The establishment of a security zone, where a state claims to control activity beyond its territorial sea for security reasons unrelated to that state's police powers in its territory, including its territorial sea.

Radio Navigational Aids.—Radio navigational aids and radio weather services are not described in detail. Publication No. 117 Radio Navigational Aids and NOAA Publication, Selected Worldwide Marine Weather Broadcasts, should be consulted.

Soundings.—Soundings are referred to the datum of the charts and are expressed in meters.

Special Warnings.—Special Warnings may be in force for the geographic area covered by this publication. Special Warnings are printed in the weekly Notice to Mariners upon promulgation and are reprinted annually in Notice to Mariners No. 1. A listing of Special Warnings currently in force is printed in each weekly Notice to Mariners, Section III, Broadcast Warnings, along with the notice number of promulgation. Special Warnings are also available on the Maritime Safety Information Division website (http://164.214.12.145/warn/warn_j_query.html).

Winds.—Wind directions are the true directions from which winds blow.

(NIMA)

49/03

SECTION II

NM 49/03

PUB 160 (Continued)

Page IV—Lines 1 to 5/L; strike out.
(NIMA)

49/03

6. MRCC North (Belem)
A network of coast radio stations maintains a continuous listening watch on international distress frequencies.

Page 7—Bottom table; replace with below:

U. S. Embassy Argentina Home Page http://buenosaires.usembassy.gov

(NIMA)

49/03

Vessel Reporting System (BA NP 285)

49/03

Page 27—Bottom table; replace with below:

U. S. Embassy Australia Home Page http://canberra.usembassy.gov

(NIMA)

49/03

Page 43—Lines 20 to 21/R; read:

To achieve this goal, Brazil uses the Maritime Traffic Information System (SISTRAM), an electronic information system for maritime traffic operated by the Naval Command for the Control of Maritime Traffic (COMCONTRAM). This system tracks all

(BA NP 281(2))

49/03

Page 33—Line 9/L; insert after:

Navigational Information

34

(NIMA)

49/03

Page 43—Lines 38 to 40/R; read:

free when sent to COMCONTRAM through the Brazilian Coastal Radio Stations Network (RENEC).

(BA NP 281(2))

49/03

Page 34—Line 4/R; insert after:

Navigational Information

The maritime territorial claims of Bahrain are, as follows:

Territorial Sea 12 miles.
Contiguous Zone 24 miles.
(NIMA)

49/03

Page 44—Line 4/L; read:

SISTRAM Area

(NIMA)

49/03

Page 36—Bottom table; replace with below:

U. S. Embassy Bangladesh Home Page http://dhaka.usembassy.gov
--

(NIMA)

49/03

Page 44—Lines 22 to 23/L; read:

Brazilian port, or when entering the Brazilian SISTRAM area from other ports.

(NIMA)

49/03

Page 38—Bottom table; replace with below:

U. S. Embassy Benin Home Page http://cotonou.usembassy.gov

(NIMA)

49/03

Page 44—Lines 1 to 3/R; read:

For further details, vessels may contact COMCONTRAM, as follows:

(NIMA)

49/03

Page 43—Line 14/R; insert after:

A series of Maritime Rescue Coordination Centers (MRCC) is located, as follows:

1. MRCC Brazil (Rio de Janeiro)—Can be contacted by e-mail, as follows:

mrccbrazil@con.mar.mil.br
--

2. MRCC South (Rio Grande)
3. MRCC Southeast (Rio de Janeiro)
4. MRCC East (Salvador)
5. MRCC Northeast (Natal)

Page 50—Bottom table; replace with below:

U. S. Embassy Cameroon Home Page http://yaounde.usembassy.gov
--

(NIMA)

49/03

Page 57—Line 7/L; insert after:

Navigational Information

(NIMA)

58

49/03

PUB 160 (Continued)

Page 58—Line 3/R; insert after:

Navigational Information

The maritime territorial claims of Djibouti are, as follows:

Territorial Sea *	12 miles.
Contiguous Zone	24 miles.
Fisheries or Economic Zone	200 miles.

* Nuclear-powered vessels and vessels transporting nuclear materials or other radioactive substances are required to give notice prior to entering the territorial sea.

(NIMA) 49/03

Page 59—Line 8/L; insert after:

Navigational Information

(NIMA) 60 49/03

Page 60—Line 39/L; insert after:

Navigational Information

The maritime territorial claims of Egypt are, as follows:

Territorial Sea *	12 miles.
Contiguous Zone **	24 miles.
Fisheries or Economic Zone	200 miles.
Continental Shelf	Depth of 200m or the Limit of Exploitation.

* Requires advance permission or notification for innocent passage of warships in the territorial sea.

** Also considered a Security Zone. Egypt claims the right to prior permission for entry of nuclear-powered vessels, vessels carrying nuclear materials, and foreign vessels carrying hazardous or other wastes.

(NIMA) 49/03

Page 64—Bottom table; strike out.

(NIMA) 49/03

Page 64—Lines 10 to 22/R; read:

U.S. Embassy

The U.S. Embassy in Equatorial Guinea reopened in 2003 headed by a U.S. Foreign Services Officer. The U.S. Ambassador to Cameroon, who is also the accredited U.S. Ambassador to Equatorial Guinea, will operate in the U.S. Embassy in Cameroon.

U. S. Embassy Equatorial Guinea Home Page
<http://usembassy.state.gov/malabo>

The mailing addresses for the U.S. Embassy in Cameroon are, as follows:

1. Cameroon address—

P.O. Box 817
 Yaounde

2. U.S. address—

American Embassy Yaounde
 Department of State
 Washington DC 20521-2520

U. S. Embassy Cameroon Home Page
<http://yaounde.usembassy.gov>

(Department of State) 49/03

Page 65—Line 7/L; insert after:

Navigational Information

(NIMA) 66 49/03

Page 66—Line 7/L; insert after:

Navigational Information

No information on the maritime claims of Eritrea is available.
 (NIMA) 49/03

Page 78—Bottom table; replace with below:

U. S. Embassy Ghana Home Page
<http://usembassy.state.gov/accra>

(NIMA) 49/03

Page 88—Lines 38 to 49/R; read:

Rescue Operations (SAR) in the Indian Search and Rescue Region (ISRR). For the limits of the ISRR, see Ship Reporting System—INDSAR.

The ISRR is divided into three subregions, each with an assigned Maritime Rescue Coordination Center (MRCC) and several assigned Maritime Rescue Coordination Subcenters (MRSC). Many centers can be reached by e-mail, as follows:

Western Region

MRCC Mumbai cgmumbai@bon3.vsnl.net.in

MRSC Porbandar comdislad1@sancharnet.in

MRSC Goa cgaegoa@goate.com

MRSC New Mangalore cgman@sancharnet.in

MRSC Kochi —

Eastern Region

MRCC Chennai isareast@md3.vsnl.net.in

cgpoorav@md2.vsnl.net.in

MRSC Tuticorin —

MRSC Vizag —

MRSC Paradip cgdhqpdp@dte.vsnl.net.in

PUB 160 (Continued)

MRSC Haldia	cdghq8@cal2.vsnl.net.in
Andaman and Nicobar Region	
MRCC Port Blair	pblcgrhqan@sancharnet.in
MRSC Diglipur	—
MRSC Campbell Bay	—
Ship Reporting System—INSPIRES (BA NP 286(5); BA NM 45/03, Section VI)	49/03

Page 90—Lines 13 to 14/L; read:
COMCEN.

Ship Reporting System—INDSAR

The India Ship Reporting System for SAR (INDSAR) is a voluntary system designed to contribute to the safety of life at sea. It is designed to be used by foreign-flag vessels over 300 gross tons operating or transiting in the Indian Search and Rescue Region (ISRR). The ISRR consists of the waters adjoining the Indian coast within the limits defined by the following:

- a. 21°00'N, 68°15'E.
- b. 12°00'N, 63°00'E.
- c. 12°00'N, 60°00'E.
- d. 6°00'S, 60°00'E.
- e. 6°00'S, 68°00'E.
- f. 0°00', 68°00'E.
- g. 8°00'N, 73°00'E.
- h. 6°10'N, 78°00'E.
- i. 10°00'N, 80°00'E.
- j. 10°00'N, 82°00'E.
- k. 6°00'N, 92°00'E.
- l. 6°00'N, 97°32'E.

The objective of INDsar is to contribute to the safety of life at sea by:

- 1. Limiting the time between the loss of a vessel and the initiation of SAR action, in cases where no distress signal is sent out.
- 2. Limiting the search area for a rescue action.
- 3. Providing up-to-date information on shipping resources available in the area in the event of a SAR incident.

INDSAR is supplementary to INSPIRES and is an advanced computerized system operated and maintained by the Indian Coast Guard through the Maritime Rescue Coordination Center in Mumbai. Participation in INDsar is voluntary and vessels will not incur any charges, if the INDsar report is sent to MRCC Mumbai through Inmarsat C using code 43, or additional responsibilities other than those that already exist under SOLAS 74 and SAR 79.

The efficiency of INDsar depends on the number of vessels regularly participating in the system. The more vessels maintained in the computerized plot, the greater the chance that a vessel will be identified near the position of distress. Since INDsar will identify the most suitable vessel(s) to respond to a vessel in distress, MRCC Mumbai can release other vessels to continue their voyage.

The following actions are taken during a vessel's participation in INDsar:

1. Upon departure from an Indian port or upon entering the ISRR area from overseas, masters are required to send a Sailing Plan (SP) or an Entry Report (ENR) to MRCC Mumbai by Inmarsat C on code 43.

2. A computerized plot of the vessel's position will be maintained by the Indian Coast Guard through MRCC Mumbai.

3. Masters are required to send a Position Report (PR) each day at a convenient time chosen by the vessel. The maximum time between any two reports is not to exceed 24 hours. All dates and times in INDsar reports are to be in UTC.

4. A Final Report (FR) or an Exit Report (EXR) is to be sent on arrival at the destination or on departure from the ISRR area.

There are six types of messages, each containing a selection of the items listed in the Message Format in the accompanying table, as follows:

1. **Sailing Plan (SP).**—This report contains the complete routing information for the vessel and should be sent a few hours before departure, upon departure, or within a few hours after departure from a port within the limits of the ISRR. It must contain enough information to predict the vessel's actual position within 25 miles at any time during the voyage.

2. **Entry Report (ENR).**—This report contains the complete routing information for the vessel and should be sent a few hours before entry, upon entry, or within a few hours after entry into the limits of the ISRR from overseas. It must contain enough information to predict the vessel's actual position within 25 miles at any time during the voyage.

3. **Position Report (PR).**—This report should be sent within 24 hours of departing a port within the limits of the ISRR or when entering the limits of the ISRR from overseas; it should then be sent at least once every 24 hours thereafter. The destination should be included, at least in the first few reports, in case INDsar has not received the SP or ENR information.

4. **Deviation Report (DR).**—This report should be sent whenever any voyage information changes which could affect INDsar's ability to accurately predict the vessel's position. Changes in course and speed due to weather, change in destination, diverting to evacuate a sick or injured crewman, diverting to assist another vessel, or any other deviation from the original SP or ENR should be reported as soon as possible.

5. **Final Report (FR).**—This report should be sent upon arrival at the port of destination. This report terminates the vessel's voyage in the INDsar computer.

6. **Exit Report (EXR).**—This report should be sent upon exiting the ISRR. This report terminates the vessel's voyage in the INDsar computer.

If the vessel is unable to pass a PR, FR, or EXR through normal methods, the vessel should attempt to pass the message through another vessel, through a harbor authority, or through another shore authority, as appropriate.

Format of messages.—The first line begins with INDsar, followed by a slash (/), the report type (SP, ENR, etc.), and ends with a double slash (//). Each remaining line

PUB 160 (Continued)

begins with a specified letter, followed by a slash (/), to identify the line type. The remainder of each line contains one or more data fields separated by single slashes (/). Each line ends with a double slash (//). All reports end with a Z (end of report) line.

Note.—All reports are to be prefixed INDSAR and can be transmitted to MRCC Mumbai by the following:

1. Telephone: +91-22-24376133
+91-22-24301455
2. Telex: 011 71381 BMCG IN
3. Fax: +91-22-24333727
4. INMARSAT-C: 441907210
5. E-mail: indsar@vsnl.net

INDSAR Message Format

Identifier	Content	SP	ENR	PR	DR	FR	EXR
A/	Vessel's name/Call sign//	X	X	X	X	X	X
B/	Time (UT (GMT))//—(date and time of report 6 digits, day of month 2 digits, and hour and minutes is a 4 digits)	X	X	X	X		
C/	Lat/Long//—(latitude is 4-digit group in degrees and minutes with N or S; longitude is 4-digit group in degrees and minutes E)	X	X	X	X		
E/	Course//—(true heading is a 3-digit group)	X	X	X	X		
F/	Speed//—(knots and tenths of knots e.g. 155=15.5)	X	X	X	X		
G/	Port of departure//—(name of last port of call)	X	X				
I/	Destination/ETA//—(port and ETA as expressed in B)	X	X	R	X ¹		X
K/	Time/point of exit from system//—(time as expressed in B; position as expressed in C)					X	
L/	Route//—(position of each turn point should be given as expressed in C, together with type of intended track between e.g. RL=Rhumb Line, GC=Great Circle or Coast {in this case ETA of passing significant points expressed as expressed in B should be given})	O	O		X ²		
M/	Radio communications//—(state full name of stations and frequencies guarded)	X	X	X	O		
T/	Vessel's agent//—(name and particulars)	I	I	I	I	I	I
U/	Vessel size/type//—(length, beam in meters, grt, and type)	I	I	I	I	I	I
V/	Medical personnel//—(doctor, physician's assistant, nurse, or no medic)	O	O				
W/	Number of persons on board//						
X/	Remarks//—(other information; brief details)	O	O	O	O		
Z/	EOR//	X	X	X	X	X	X

Key to Symbols:

X—Required information.

X¹—Required information if destination or route changes. This line is always strongly recommended, even when not required.

X²—Required information if destination or route changes.

I—Must be included by all Indian vessels. Other vessels may include these items in the Sailing Plan (SP) at their discretion.

O—Optional information.

R—Recommended information.

Note.—The International Code of Signals should be used to send messages when language problems exist.

Signals

(BA NP 286(1); BA NM 29/03, Section VI)

49/03

PUB 160 (Continued)

Page 94—Bottom table; replace with below:

U. S. Embassy India Home Page http://newdehli.usembassy.gov

(NIMA) 49/03

Page 105—Bottom table; replace with below:

U. S. Embassy Indonesia Home Page http://jakarta.usembassy.gov

(NIMA) 49/03

Page 107—Line 8/L; insert after:

Navigational Information 108
(NIMA) 49/03

Page 108—Line 5/R; insert after:

Navigational Information

The maritime territorial claims of Iran are, as follows:

Territorial Sea * 12 miles.

Contiguous Zone ** 24 miles.

Fisheries or Economic Zone *** —

Continental Shelf *** —

* Requires advance permission or notification for innocent passage of warships in the territorial sea.

** Claims security jurisdiction in the Contiguous Zone.

*** Fisheries Zone and Continental Shelf extend to median line equidistant from baseline of neighbors.

(NIMA) 49/03

Page 109—Line 8/L; insert after:

Navigational Information 110
(NIMA) 49/03

Page 110—Line 3/R; insert after:

Navigational Information

The maritime territorial claims of Iraq are, as follows:

Territorial Sea 12 miles.

Continental Shelf No specified limit.

(NIMA) 49/03

Page 113—Line 7/L; insert after:

Navigational Information 114
(NIMA) 49/03

Page 114—Line 33/L; insert after:

Navigational Information

The maritime territorial claims of Israel are, as follows:

Territorial Sea 12 miles.
Continental Shelf Limit of Exploitation.
(NIMA) 49/03Page 119—Line 7/L; insert after:
Navigational Information 120
(NIMA) 49/03Page 120—Line 15/L; insert after:
Navigational InformationThe only maritime territorial claim of Jordan is a territorial sea of 3 miles.
(NIMA) 49/03Page 123—Line 8/L; insert after:
Navigational Information 124
(NIMA) 49/03Page 124—Line 28/L; insert after:
Navigational InformationThe only maritime territorial claim of Kuwait is a territorial sea of 12 miles.
(NIMA) 49/03Page 138—Line 33/L; insert after:
General
(NIMA) 49/03Page 138—Line 14/R; insert after:
Pollution Reports

The Principal Officer South African Maritime Safety Authority (SAMSA) shall be notified of discharge of oil and/or damage to vessels when navigating within 50 miles of the coasts of South Africa and Namibia. For further information, see South Africa—Regulations—Pollution Reports.

(BA NP 281(1)) 49/03

Page 138—Line 20/R; insert after:

The waters of Namibia lie within the area of responsibility for the South African Ship Reporting System. For further information, see South Africa—Search and Rescue—Ship Reporting System.
(NIMA) 49/03

PUB 160 (Continued)

Page 141—Bottom table; replace with below:

U. S. Embassy Nigeria Home Page
http://abuja.usembassy.gov

(NIMA) 49/03

Page 143—Line 9/L; insert after:
Navigational Information **144**
(NIMA) 49/03

Page 144—Line 37/R; insert after:
Navigational Information

The maritime territorial claims of Oman are, as follows:

Territorial Sea *	12 miles.
Contiguous Zone	24 miles.
Fisheries or Economic Zone	200 miles.

* Requires advance permission or notification for innocent passage of warships in the territorial sea.
(NIMA) 49/03

Page 147—Line 8/L; insert after:
Navigational Information **148**
(NIMA) 49/03

Page 148—Line 35/R; insert after:
Navigational Information

The maritime territorial claims of Pakistan are, as follows:

Territorial Sea *	12 miles.
Contiguous Zone **	24 miles.
Fisheries or Economic Zone	200 miles.
Continental Shelf	200 miles or the Continental Margin.

* Requires advance permission or notification for innocent passage of warships in the territorial sea. Requires foreign supertankers, nuclear-powered ships, and ships carrying nuclear materials to give prior notice before entering the territorial sea.

** Also considered a Security Zone.
(NIMA) 49/03

Page 152—Bottom table; replace with below:

U. S. Embassy Paraguay Home Page
http://asuncion.usembassy.gov

(NIMA) 49/03

Page 153—Line 8/L; insert after:
Navigational Information **154**
(NIMA) 49/03

Page 154—Line 5/R; insert after:
Navigational Information

The maritime territorial claims of Qatar are, as follows:

Territorial Sea	12 miles.
Contiguous Zone	24 miles.
Fisheries or Economic Zone *	—
Continental Shelf	200 miles or the Continental Margin.

* Extends to median line with neighboring states.
(NIMA) 49/03

Page 157—Line 8/L; insert after:
Navigational Information **158**
(NIMA) 49/03

Page 158—Line 21/L; insert after:
Navigational Information

The maritime territorial claims of Saudi Arabia are, as follows:

Territorial Sea *	12 miles.
Contiguous Zone **	18 miles.
Continental Shelf	No specified limit.

* Claims power to regulate nuclear-powered vessels in the territorial sea and to require prior authorization for such vessels.

** Also considered a Security Zone.
(NIMA) 49/03

Page 166—Line 54/R; insert after:

g. Horsburgh Light.
(Singapore Port Information, 2003) 49/03

Page 166—Bottom table; replace with below:

U. S. Embassy Singapore Home Page
http://singapore.usembassy.gov

(NIMA) 49/03

PUB 160 (Continued)

Page 167—Table in column right; replace with below:

STRAITREP Communications		
Sector	VHF channel	VTS authority
1	66	Klang VTS
2	88	Klang VTS
3	84	Klang VTS
4	61	Klang VTS
5	88	Klang VTS
6	88	Johor VTS
7	73	Singapore VTS
8	14	Singapore VTS
9	10	Singapore VTS

(Singapore Port Information, 2003) 49/03

Page 171—Line 8/L; insert after:
Navigational Information 172
(NIMA) 49/03Page 172—Line 14/R; insert after:
Navigational Information

The only maritime territorial claims of Somalia is a territorial sea of 200 miles. It also requires advance permission or notification for innocent passage of warships in the territorial sea.
(NIMA) 49/03

Page 177—Line 36/L; read:
within 50 miles of the coasts of South Africa and Namibia:
(BA NP 281(2)) 49/03

Page 183—Bottom table; replace with below:

U. S. Embassy South Africa Home Page
http://pretoria.usembassy.gov

(NIMA) 49/03

Page 193—Line 7/L; insert after:
Navigational Information 194
(NIMA) 49/03

Page 194—Line 4/R; insert after:

Navigational Information

The maritime territorial claims of Sudan are, as follows:

Territorial Sea * 12 miles.
Contiguous Zone ** 18 miles.
Continental Shelf Depth of 200m or the Limit of Exploitation.

* Requires advance permission or notification for innocent passage of warships in the territorial sea.

** Also considered a Security Zone.

(NIMA) 49/03

Page 200—Bottom table; replace with below:

U. S. Embassy Thailand Home Page
http://bangkok.usembassy.gov

(NIMA) 49/03

Page 202—Bottom table; replace with below:

U. S. Embassy Togo Home Page
http://lome.usembassy.gov

(NIMA) 49/03

Page 203—Line 9/L; insert after:
Navigational Information 204
(NIMA) 49/03Page 204—Line 9/R; insert after:
Navigational Information

The maritime territorial claims of the United Arab Emirates are, as follows:

Territorial Sea * 12 miles.
Contiguous Zone 24 miles.
Fisheries or Economic Zone ** 200 miles.
Continental Shelf 200 miles or the Continental Margin.

* Requires advance permission or notification for innocent passage of warships in the territorial sea.

** Extends to agreed Continental Shelf boundaries or to median lines.

(NIMA) 49/03

PUB 160 (Continued)

Page 208—Bottom right table; replace with below:

U. S. Embassy Uruguay Home Page
http://uruguay.usembassy.gov

(NIMA) 49/03

Page 209—Line 8/L; insert after:

Navigational Information **210**
 (NIMA) 49/03

Page 210—Line 10/R; insert after:

Navigational Information

The maritime territorial claims of Yemen are, as follows:

Territorial Sea *	12 miles.
Contiguous Zone **	24 miles.
Fisheries or Economic Zone	200 miles.
Continental Shelf	200 miles or the Continental Margin.

* Requires advance permission or notification for innocent passage of warships in the territorial sea. Claims a notice requirement for warships, nuclear-powered vessels, and vessels transporting nuclear materials or other radioactive substances prior to entering the territorial sea.

** Also considered a Security Zone.

(NIMA) 49/03

PUB 173 7 Ed 2002 LAST NM 38/03

Page 11—Line 35/L; insert after:

A container terminal jetty lies close to Navinal Point. The terminal is approached from the SE through a channel marked by lighted buoys. The channel is maintained to a depth of 14.5m.

(BA NM 25/03, Section IV) 49/03

Page 40—Line 2/L; insert after:

A dangerous wreck lies in anchorage A5.
 (BA NM 25/03, Section IV) 49/03

Page 57—Line 5/R; read:

Depths—Limitations.—Ships with a draft of 14m can enter
 (BA NP 38) 49/03

Page 136—Line 9/R; insert after:

The port has a large turning basin 520m in diameter.
 (BA NP 38) 49/03

PUB 180 3 Ed 2002 LAST NM 48/03

Page III—Lines 17 to 21/L; read:

In the period between editions, important information, which may amend material in the publication, is published in the Notice to Mariners, as well as on the NIMA Maritime Safety Information Division website (http://164.214.12.145/untm/untm_j_pubscorrect_query.html?class_flag=N).

(NIMA) 49/03

Page III—Lines 32/L to 44/R; read:

Bearings.—Bearings are true, and are expressed in degrees from 000° (north) to 360°, measured clockwise. General bearings are expressed by the initial letters of the points of the compass (e.g. N, NNE, NE, etc.). Adjective and adverb endings have been discarded. Wherever precise bearings are intended degrees are used.

Corrective Information.—Corrective information and other comments about this publication can be forwarded to NIMA, as follows:

1. Mailing address—
 MARITIME SAFETY INFORMATION DIVISION
 ST D 44
 NATIONAL IMAGERY AND MAPPING
 AGENCY
 4600 SANGAMORE ROAD
 BETHESDA MD 20816-5003
2. E-mail address—
sdpubs@nima.mil

Courses.—Courses are true, and are expressed in the same manner as bearings. The directives “steer” and “make good” a course mean, without exception, to proceed from a point of origin along a track having the identical meridional angle as the designated course. Vessels following the directives must allow for every influence tending to cause deviation from such track, and navigate so that the designated course is continuously being made good.

Currents.—Current directions are the true directions toward which currents set.

Distances.—Distances are expressed in nautical miles of 1 minute of latitude. Distances of less than 1 mile are expressed in meters, or tenths of miles.

Geographic Names.—Geographic names are generally those used by the nation having sovereignty. Names in parentheses following another name are alternate names that may appear on some charts. In general, alternate names are quoted only in the principal description of the place. Diacritical marks, such as accents, cedillas, and circumflexes, which are related to specific letters in certain foreign languages, are not used in the interest of typographical simplicity.

Geographic names or their spellings do not necessarily reflect recognition of the political status of an area by the United States Government.

Heights.—Heights are referred to the plane of reference used for that purpose on the charts and are expressed in meters.

Internet Links.—This publication provides Internet links to web sites concerned with maritime navigational safety, including but not limited to, Federal government sites, foreign Hydrographic Offices, and foreign public/private port facil-

PUB 180 (Continued)

ties. NIMA makes no claims, promises, or guarantees concerning the accuracy, completeness, or adequacy of the contents of these web sites and expressly disclaims any liability for errors and omissions in the contents of these web sites.

Lights and Fog Signals.—Lights and fog signals are not described, and light sectors are not usually defined. The Light Lists should be consulted for complete information.

National Ocean Claims.—Information on national ocean claims, which has been compiled from the best available sources, is provided solely in the interest of the navigational safety of shipping and in no way constitutes legal recognition by the United States. These non-recognized claims and requirements may include, but are not limited to:

1. A requirement by a state for advance permission or notification for innocent passage of warships in the territorial sea.
2. Straight baseline, internal waters, or historic waters claims.
3. The establishment of a security zone, where a state claims to control activity beyond its territorial sea for security reasons unrelated to that state's police powers in its territory, including its territorial sea.

Radio Navigational Aids.—Radio navigational aids and radio weather services are not described in detail. Publication No. 117 Radio Navigational Aids and NOAA Publication, Selected Worldwide Marine Weather Broadcasts, should be consulted.

Soundings.—Soundings are referred to the datum of the charts and are expressed in meters.

Special Warnings.—Special Warnings may be in force for the geographic area covered by this publication. Special Warnings are printed in the weekly Notice to Mariners upon promulgation and are reprinted annually in Notice to Mariners No. 1. A listing of Special Warnings currently in force is printed in each weekly Notice to Mariners, Section III, Broadcast Warnings, along with the notice number of promulgation. Special Warnings are also available on the Maritime Safety Information Division website (http://164.214.12.145/warn/warn_j_query.html).

Winds.—Wind directions are the true directions from which winds blow.

(NIMA) 49/03

Page IV—Lines 1 to 14/L; strike out.

(NIMA) 49/03

Page 52—Lines 8 to 24/L; read:

Canada. A Joint Rescue Coordination Center (JRCC) are situated in the Canadian Forces base at Halifax, Nova Scotia to coordinate activities in the region. The JRCC is the headquarters of a coordinated network of agencies trained and responsible to search for and aid vessels in distress. There are Canadian Coast Guard officers at the JRCC who are on continuous watch to arrange the response to marine SAR incidents.

Maritime Rescue Coordination Subcenters (MRSC) are maintained at St. John's, Newfoundland and Quebec City. These centers function as subcenters of the above-mentioned JRCC. MRSC St. John's will coordinate the necessary re-

sponse measures during marine SAR incidents in the waters off the coasts of Newfoundland and Labrador. MRSC Quebec will similarly respond to SAR incidents in the waters off the province of Quebec.

All distress situations and requests for assistance should be directed to the appropriate MRSC or JRCC via the nearest Canadian Coast Guard Radio Station, Vessel Traffic System Center, or by any other available means. The MRSCs can be contacted by e-mail, as follows:

MRSC St. John's:	mrscs@dfo-mpo.gc.ca
MRSC Quebec City:	opcentremrscqbc@dfo-mpo.gc.ca
(BA NP 285)	49/03

Page 66—Line 34/R to Page 67—Line 15/L; read:

Search and Rescue**Sea Rescue**

The Danish Armed Forces Command conduct sea rescue operations in Greenland waters from the Sea Rescue Center at Gronnedal on Arsuk Fjord. When aerial assistance is required, the State Air Authority at the Air Rescue Center in Sondre Stromfjord is called.

To ensure all distress calls are received at the Sea Rescue Center, ships N of 57°N and within 250 miles of the Greenland coast should maintain continuous listening watch on 2182 kHz and VHF channel 16 so distress signals can, if necessary, be relayed to the closest Greenland coast radio station.

The Danish police in Greenland organize and control sea rescue operations in local waters.

The responsibility for conducting search and rescue operations is divided between:

1. Greenland Command (GLK), located in Gronnedal, Arsuk Fjord.
2. Air Rescue Center at Sondre Stromfjord.
3. Chief Constable of Greenland.

The Maritime Rescue Coordination Center (MRCC) Gronnedal and a network of coast radio stations maintain a continuous listening watch on international distress frequencies. MRCC Gronnedal can also be contacted by e-mail, as follows:

mrcc@glk.gl
(BA NP 12; BA NP 285)
49/03

Page 78—Line 2/L; insert after:

Two Maritime Rescue Coordination Centers (MRCC) coordinate search and rescue operations, as follows:

1. MRCC Oceanic (Joint Icelandic Coast Guard Operations Center) is responsible for ocean rescue and can be contacted by e-mail, as follows:

sar@Ihg.is
vms@Ihg.is

PUB 180 (Continued)

2. MRCC Coastal (Icelandic Ship Reporting System Operations Center) is responsible for the coastline and coastal waters and can be contacted by e-mail, as follows:

sjostjorn@landsbjorg.is

A network of coast radio stations, which are remotely controlled from Reykjavik, maintain a continuous listening watch on international distress frequencies.

(BA NP 285; BA NM 28/03, Section VI) 49/03

Page 89—Lines 5 to 9/L; read:

The Joint Rescue Coordination Centers (JRCC) are located, as follows:

1. SSR South Norway (Stavanger)—South of 65°N.
2. SSR North Norway (Bodo)—North of 65°N.

These centers receive all distress calls and assign the appropriate local rescue center to each incident. The JRCCs can be contacted by e-mail, as follows:

1. JRCC Stavanger: post@jrcc-stavanger.no
2. JRCC Bodo: mailto@jrcc-bodoe.no

(BA NP 285) 49/03

Page 104—Lines 46/L to 3/R; read:

Search and Rescue

The Maritime Rescue Coordination Center (MRCC) Moskva is responsible for coordinating search and rescue operations and working with search and rescue services of neighboring countries. The MRCCs and the Maritime Rescue Coordination Subcenters (MRSC) can be contacted by e-mail, as follows:

MRCC Moskva:	smrcc@morflot.ru
MRCC Murmansk:	rcc@mapm.ru
MRSC Archangelsk:	rcc@mapa.ru

(BA NP 285) 49/03

PUB 195 7 Ed 2002 LAST NM 46/03

Page 24—Lines 51 to 53/L; read:

good holding ground, close E of the oil harbor.

A designated anchorage area, with depths of 19 to 30m, lies centered about 3 miles NW of Kalbadagrunder Light, W of the main entrance fairway. Generally, anchorage in the outer approaches is not safe except during calm weather.

(Fin NM 5/03) 49/03

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
765	- Lighted Buoy F	34 21 55 N 77 17 29 W	Fl Y 6s		6	Yellow.	
		*					49/03
1610	<i>Elbow of Cross Wreck</i> <i>Lighted Buoy WR</i> Marks wreck of WALTER GAZE.					Remove from list.	
						*	49/03
1965	<i>Hog Shoal Lighted Buoy 6</i>					Remove from list.	
						*	49/03
1985	Back Creek Buoy 8 Marks shoal.					Remove from list.	
						*	49/03
*5313	- Buoy 10A				Red nun.		
							49/03
Tangier Sound							
23270	- Lighted Buoy 8	37 57 55 N 75 55 47 W	Fl R 2.5s		4	Red.	Replaced by nun when endangered by ice.
		*					49/03
32475	INNER MIDDLE GROUND LIGHT M		Fl W 4s	15	6	NB on multi-pile structure.	
					*		49/03
32485	UPPER MIDDLE GROUND WRECK LIGHT 7 yards, 245° from wreck.	35 18 31 N 76 23 46 W	Fl W 2.5s	15	5	NW on pile worded DANGER SUBMERGED WRECK.	
					*		49/03
34330	- CHANNEL LIGHT 3 25 feet outside channel limit.	34 59 50 N 76 12 16 W	Fl G 4s	15	4	SG on multi-pile structure.	
		*			*		49/03
34480	- Daybeacon 22A	34 52 31 N 76 19 59 W			TR on pile.		
		*					49/03
39295	- LIGHT 72		Q R	15	3	TR-TY on pile.	
					*		49/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Anna Maria Sound							
21860	- LIGHT 1	27 32 03 N 82 42 48 W	Fl G 6s	16	4	SG on dolphin.	*
							49/03
33645.5	- Obstruction Daybeacon						Remove from list.
							*
33647	- Obstruction Daybeacon	33 51 18 N 78 39 36 W				NW on pile worded DANGER SUBMERGED ROCK.	Marks rock.
							*
							49/03
Charleston Harbor - Savannah River							
Coosaw River							
35210	- LIGHT 186 Marks shoal extending out between Combahee and Coosaw River.	32 30 25 N 80 30 26 W	Fl R 2.5s	16	3	TR-TY on dolphin.	*
							49/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
* 650.5	Remington-105-1 Lighted Buoy Marks subsea installation	28 33 37 N 90 19 26 W	Q W			White with orange bands.	SIGN: ROG-ST-159-1. Private aid.
							49/03
5950	- Daybeacon 7						Remove from list.
							*
5955	- Daybeacon 8						Remove from list.
							*
5960	- Daybeacon 7				SG on pile.		Private aid.
							*
							49/03
5965	- Daybeacon 8				TR on pile.		Private aid.
							*
							49/03
5970	- Daybeacon 9				SG on pile.		Private aid.
							*
							49/03
5975	- Daybeacon 10				TR on pile.		Private aid.
							*
							49/03
5980	- Daybeacon 11				SG on pile.		Private aid.
							*
							49/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5985	- Daybeacon 12				TR on pile.		Private aid.
	*						49/03
5990	- Daybeacon 14				TR on pile.		Private aid.
	*						49/03
5995	- Daybeacon 16				TR on pile.		Private aid.
	*						49/03
6000	- Daybeacon 18				TR on pile.		Private aid.
	*						49/03
10805	- LIGHT 55 150 feet outside channel limit.	29 39 44 N 89 21 46 W	Fl G 6s	20	4	SG on pile.	
	*	*					49/03
15490	GRAND TERRE LABORATORY CANAL ENTRANCE LIGHT 1						Remove from list.
							*
*15491	GRAND TERRE LABORATORY CANAL ENTRANCE LIGHT 1	29 16 48 N 89 56 42 W	Q G	12		SG on pile.	Private aid.
							49/03
15495	GRAND TERRE LABORATORY CANAL ENTRANCE LIGHT 2						Remove from list.
							*
*15496	GRAND TERRE LABORATORY CANAL ENTRANCE LIGHT 2	29 16 46 N 89 56 46 W	Q R	12		TR on pile.	Private aid.
							49/03
23365	COUNTY WHARF LIGHT 1						Remove from list.
							*
23367	County Wharf Obstruction Lighted Buoy 1A						Remove from list.
							*
23370	COUNTY WHARF LIGHT 3						Remove from list.
							*
28360 40750	- RANGE A FRONT LIGHT	26 01 51 N 97 13 32 W	Q W	33	5	KRW-I on skeleton tower.	Visible all around; higher intensity on range line.
							*
							49/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
 Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
40750 28360	- RANGE A FRONT LIGHT	26 01 51 N 97 13 32 W	Q W Q W	33	5	KRW-I on skeleton tower.	Visible all around; higher intensity on range line. *

49/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
230	<i>Westdahl Rock Lighted Bell Buoy 1</i>	35 08 46 N 120 47 06 W	Fl G 6s		4	Green.	

49/03

SAN CLEMENTE ISLAND (Chart 18762)

2525	CHINA POINT LIGHT	32 48 13 N 118 25 33 W	Fl W 2.5s	112	8	NR on pile.	Visible from 260° to 128°, partially obscured by hills elsewhere.
		*					49/03
2540	NAVY ANCHORAGE SOUTH END LIGHT	32 58 31 N 118 31 55 W	Fl W 2.5s	140	6	NR on post.	Visible from 150° to 320°, partially obscured by hills elsewhere.
		*					49/03

Wilson Cove

2545	- LIGHT	33 00 14 N 118 33 10 W	Fl W 4s	125	9	NR on post.	Visible from 155° to 317°, partially obscured by hills elsewhere.
		*					49/03
2575	SAN CLEMENTE ISLAND LIGHT	33 01 50 N 118 35 47 W	Fl W 4s	202	9	NR on post.	Visible from 341° to 276°, partially obscured by hills elsewhere.
		*					49/03

ESTERO BAY (Chart 18703)

3815	<i>Point San Luis Lighted Whistle Buoy 3</i>	35 09 14 N 120 44 56 W	Fl G 4s		4	Green.	
		*					49/03
5980	- ENTRANCE LIGHT 2	38 02 57 N 122 25 19 W	Fl R 2.5s	10	3	TR on pile.	HORN: 1 blast ev 10s (1s bl). Operates continuously from Oct. 1 to Apr. 1.
		*					49/03
5990	- ENTRANCE CHANNEL LIGHT 4	38 03 31 N 122 25 26 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*					49/03
6010	- ENTRANCE CHANNEL LIGHT 8	38 04 50 N 122 26 04 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*					49/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6020	- ENTRANCE CHANNEL LIGHT 10	38 05 21 N 122 26 30 W	Fl R 4s	10	3	TR on pile.	
		*					49/03
8105	- DIRECTIONAL LIGHT	38 25 38 N 123 48 27 W	F W	15	1	On pile.	Visible white light in center of channel (103.5°T-106.5°T); red light when right of inbound channel (100°T-103.5°T); green light when left of inbound channel (106.5°T- 110°T).
		*					49/03
8110	- LIGHT 8	39 25 38 N 123 48 22 W	Fl R 4s	15	4	TR on pile.	Ra ref.
		*					49/03
8115	- LIGHT 9	39 25 40 N 123 48 20 W	Fl G 2.5s	15	5	SG on post.	
		*					49/03
8180	- LIGHT 6	40 45 24 N 124 14 04 W	Fl R 4s	30	3	TR on pile.	
		*					49/03
8255	SAMOA CHANNEL LIGHT 4	40 48 54 N 124 10 46 W	Fl R 4s	15	3	TR on pile.	Ra ref.
		*					49/03
13833	- Buoy 28A	46 40 47 N 117 33 00 W				Red nun.	
		*					49/03
13855	- Buoy 31	46 40 49 N 117 30 58 W				Green can.	
		*					49/03
13981	- Buoy 16A	48 27 28 N 117 13 17 W				Red nun.	
		*					49/03
14841	Multnomah Channel Pollution Response Buoy	45 37 13 N 122 48 10 W				Yellow.	
		*					49/03
14870	- LIGHT 6	45 38 36 N 122 46 37 W	Fl R 6s	36	4	TR on dolphin.	Higher intensity beam up channel.
		*		*			49/03
14910	MULTNOMAH CHANNEL JUNCTION LIGHT	45 37 09 N 122 47 41 W	Fl (2+1) R 6s	32	4	JR on dolphin.	Higher intensity beam up and down channel.
		*		*			49/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14918	- Lighted Buoy 12	45 37 18 N 122 47 36 W	Fl R 4s		4	Red.	
		*					49/03
14978	Toe Island Lighted Buoy 1	45 28 57 N 122 40 09 W	Fl G 4s		4	Green.	
		*					49/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Rogers City							
<i>Buoys maintained from Jun. 1 to Oct. 1.</i>							
11660	- Harbor Channel Lighted Buoy 1	45 25 26 N 83 48 27 W	Iso G 2s			Green.	Private aid.
		*					49/03
11665	- Harbor Channel Lighted Buoy 2	45 25 27 N 83 48 29 W	Iso R 2s			Red.	Private aid.
		*					49/03
11695	- HARBOR CHANNEL BREAKWATER LIGHT 8	45 25 22 N 83 48 33 W	Fl R 2.5s	25 8		TR on pole.	Private aid.
		*					49/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1772	-Ship Head. <i>H 0486.1</i>						Remove from list.
						*	49/03

16674 - -Tanker Loading Unit "TLU-3". 9° 31.7' N FI.W.
75° 47.2' W

* * 49/03

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13436	Walker Rock. <i>G 5380</i>	48° 55.4' N 123° 29.6' W	FI.(3)W. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 7	6	White round tower.	Radar reflector.
			F.W.R.G.	23 7	7		G. 082°-088°, W.-092°, R.-099°.
					*		49/03
13800	Sheringham Point. <i>G 5292</i>	48° 22.6' N 123° 55.3' W	FI.G. period 15s fl. 0.2s, ec. 14.8s	72 22	9	White hexagonal tower; 64.	
					*		49/03
13872	-Limestone Islet. <i>G 5262.6</i>	48° 58.9' N 124° 58.3' W	Q.W.	28 8	6	White round tower.	
					*		49/03
14032	-Morfee Island. <i>G 5238</i>	49° 13.1' N 125° 57.3' W	Q.W.	27 8	6	White round tower, green band at top; 15.	
					*		49/03

NOOTKA SOUND:

14088	-Nootka. <i>G 5219</i>	49° 35.6' N 126° 36.9' W	FI.W. period 12s fl. 0.2s, ec. 11.8s	101 31	19	Red square skeleton tower.	
			*		*		*
14236	Rugged Point. <i>G 5202.6</i>	49° 58.2' N 127° 15.0' W	FI.W. period 4s fl. 0.5s, ec. 3.5s	46 14	7	Mast, red and white triangular daymark; 7.	
			*		*		49/03
14244	-Fair Harbor Approach. <i>G 5203.2</i>	50° 04.5' N 127° 09.3' W	FI.G. period 4s fl. 0.5s, ec. 3.5s	17 5	5	White round tower, green band at top.	
			*		*		49/03

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14252 <i>G 5202</i>	Amos Island.	50° 00.8' N 127° 21.2' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	23 7	6	White round tower; 14.	
	*	*		*	*		49/03

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
CASTELLON DE LA PLANA:							
5480 <i>E 0226</i>	-Muelle de Fluidos.	39° 58.2' N 0° 01.7' E	Oc.(2+1)W. period 10s	105 32	14	White round tower; 91.	Radio beacon 750 meters 267°.
	*		*				49/03
*5482 <i>E 0226.1</i>	-Dique de Levante, head.	39° 57.8' N 0° 01.6' E	Fl.G. period 5s	43 13	5	Green round tower; 33.	
							49/03
*5484 <i>E 0229.3</i>	-S. head.	39° 58.1' N 0° 01.2' E	Oc.G. period 5s	16 5	2	Green tower.	
							49/03
*5486 <i>E 0229.4</i>	-Slipway.	39° 58.1' N 0° 01.1' E	Fl.(2)R. period 5s	13 4	3	Red tower; 10.	
							49/03
5488 <i>E 0226.2</i>	-Muelle Transversal, S. corner.	39° 58.2' N 0° 01.3' E	Fl.(2)G. period 7s	20 6	3	Green tower; 13.	
			*				49/03
5492 <i>E 0226.4</i>	-Center of S. face.	39° 58.3' N 0° 01.3' E	Fl.(3)G. period 9s	16 5	3	Green tower; 14.	
			*				49/03

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2088 <i>B 3237</i>	-Tananger.	58° 55.9' N 5° 34.5' E	Oc.(3)W.R.G. period 10s	45 14	W. 11 R. 8 G. 8	White lantern.	W. 181°-200°, R.-056°, W.-070°, G.-094°, W.-100°, R.-127°.
	*					*	49/03
2200 <i>B 3264</i>	-Gryda.	59° 03.0' N 5° 36.5' E	Iso.W.R.G. period 2s	20 6	W. 5 R. 3 G. 3	White lantern on tripod.	R. 313°-324°, W.-351°30', G.- 057°, W.-060°, R.-080°, W.- 140°, G.-170°.
	*			*	*	*	49/03
2236 <i>B 3269.7</i>	-Roaldsøy, N. head.	58° 59.8' N 5° 46.1' E	F.G.	16 5	3	Post.	Private light. Floodlit.
	*	*	*	*	*	*	49/03

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GANSFJORD:							
2268 -Pannevigodden. <i>B 3280</i>		58° 57.7' N 5° 46.1' E	Oc.(2)W.R.G. period 8s	14 4	W. 7 R. 5 G. 5	White lantern on tripod.	G. 153°-185°, W.-209°, R.-259°, G.-353°, W.-005°, R.-021°.
		*			*	*	*
							49/03
FALKEIDFLAET:							
2550 -Rovetaerne. <i>B 3415.2</i>		59° 13.4' N 5° 32.4' E	Oc.(2)W.R.G. period 8s	26 8	W. 7 R. 5 G. 4	Concrete tower; 36.	R. 128°-148°30', W.-159°30', G.-242°, W.-263°, R.-278°, W.-290°, G.-318°, W.-326°, R.-357°30', W.-027°, G.-128°
		*			*		49/03
2620 -Kopervik, on Koparnaglen, entrance, N. side. <i>B 3430</i>		59° 17.3' N 5° 19.2' E	Oc.(2)W.R.G. period 8s	13 4	W. 9 R. 8 G. 8	White lantern on stone beacon.	G. 151°-190°30', R.-204°, W.- 331°, R.-005°30', G.-033°30'.
		*			*	*	*
							49/03
2644 -Salhus. <i>B 3442</i>		59° 22.5' N 5° 17.9' E	Oc.R.G. period 6s	20 6	4	White lantern.	G. 157°-190°, R.-338°30', G.- 349°.
		*			*		49/03
HAUGESUND HAVNEFYR:							
2660 -Ostre Storesundflu. <i>B 3454</i>		59° 24.3' N 5° 16.5' E	Fl.R. period 3s	16 5	1	Lantern on tripod.	
		*			*		49/03
2672 -Garpestjerkkaia, mole, head. <i>B 3466</i>		59° 24.8' N 5° 15.3' E	F.G.	16 5	1	Lantern on post.	2 F.R. shown from Ro-Ro berth 425 meters SE.
		*			*		49/03
2760 -Ferkingstad, mole, head. <i>B 3524</i>		59° 14.0' N 5° 10.6' E	Oc.W.R. period 6s	34 10	W. 5 R. 3	Post.	W. 122°-233°, R.-122°.
		*			*		*
							49/03
2768 -Rear, 348 meters 119°30' from front. <i>B 3527.1</i>		59° 15.2' N 5° 11.1' E	Iso.W. period 2s	46 14	4	Lantern on pedestal.	
		*			*		*
							49/03
2872 -Hanseskjer, Skjaerets, E. point. <i>B 3560</i>		59° 23.9' N 5° 12.8' E	Iso.W.R.G. period 2s	26 8	W. 3 R. 2 G. 2	White lantern.	G. 014°-018°, R.-022°, G.-112°, W.-119°30', R.-218°, G.-227°.
		*			*		49/03
2880 -Gloppene, Nordre Gloppen, E. point. <i>B 3566</i>		59° 25.8' N 5° 07.7' E	Iso.W.R.G. period 6s	33 10	W. 8 R. 6 G. 5	White lantern on tripod.	G. 162°-178°, W.-212°, R.- 274°30', W.-307°30', G.- 054°30', W.-063°30', R.-089°, G.-117°.
		*			*		49/03

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2888 <i>B 3570</i>	Rovaersholmen.	59° 27.1' N 5° 04.1' E	Iso.W.R.G. period 4s	73 22	15	Red iron tower; 51.	G. 352°-355°, W.-007°, R.-047°, W.-167°, R.-230°, W.-238°, G.-269°, W.-274°, R.-276°.
	*	*	*				*
							49/03
SLETTA, BOMLAFJORDEN:							
2892 <i>B 3574</i>	-Bleivik.	59° 28.8' N 5° 13.6' E	Iso.W.R.G. period 4s	75 23	W. 6 R. 4 G. 4	White lantern.	G. 291°30'-325°, R.-357°, W.- 002°30', G.-083°, W.-104°, R.-155°, W.-171°, G.-180°.
	*	*	*				*
							49/03
2904 <i>B 3579</i>	-Lille Bloksen.	59° 32.5' N 5° 13.0' E	V.Q.(9)W. period 10s	52 16	4	Lantern on cairn; 52.	
-RACON			B(-•••)				3 & 10 cm.
	*	*	*				*
							49/03
2920 <i>B 3588</i>	-Buaneset.	59° 36.1' N 5° 19.3' E	Iso.R. period 4s	23 7	4	Lantern on column.	
	*	*	*				49/03
2936 <i>B 3592</i>	-Mosterhamn, Kaninholmen, S. point.	59° 41.9' N 5° 23.8' E	Oc.W.R. period 6s	33 10	W. 6 R. 5	White lantern.	R. 190°-232°, W.-349°, R.-028°, W.-044°.
	*	*	*				49/03
2992 <i>B 3626</i>	-Aksteinen.	59° 46.9' N 5° 06.4' E	Iso.W.R.G. period 4s	54 16		White lantern, stone base.	G. 003°-014°, R.-026°30', W.- 030°30', G.-086°, W.-090°, R.-189°, W.-199°.
	*	*	*				*
							49/03
3032 <i>B 3644</i>	-Alfjord, Nesjaneset, E. point.	59° 35.8' N 5° 31.8' E	Oc.W.R.G. period 6s	26 8	W. 10 R. 9 G. 8	White lantern.	W. 185°36'-194°, R.-279°36', W.-343°24', G.-353°06', G. 178°-185°36'.
	*	*	*				*
							49/03
3270 <i>B 3593.2</i>	-Austneset.	59° 42.6' N 5° 24.0' E	Q.(9)W. period 15s	7 2		Post.	
	*	*	*				49/03
4940 <i>L 0244</i>	-Traelanes.	61° 22.6' N 5° 01.7' E	Oc.(2)W.R.G. period 8s	20 6	W. 9 R. 7 G. 7	Iron hut.	G. 340°-349°, W.-356°, R.-092°, G.-132°, W.-144°, R.-156°, W.-166°, G.-194°.
	*	*	*				*
							49/03
4968 <i>L 0252</i>	Slavenes, harbor, N. side.	61° 25.0' N 4° 59.0' E	Oc.W.R.G. period 6s	20 6	W. 10 R. 7 G. 7	Iron hut.	R. 348°-353°, W.-001°, G.-018°, W.-032°, R.-157°, W.-182°, G.-194°.
	*	*	*				*
							49/03
4994 <i>L 0271.9</i>	Baane.	61° 29.1' N 4° 58.5' E	V.Q.(3)W. period 5s	34 10	7	Tripod.	
	*	*	*				49/03

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4996 <i>L 0272</i>	Trefotskjaer, SW. extremity.	61° 29.1' N 4° 59.6' E	Oc.(2)W.R.G. period 8s	26 8	W. 11 R. 8 G. 8	Lantern on piles.	R. 286°-296°, G.-008°, W.-011°, R.-044°, W.-050°, G.-062°, R.- 175°, G.-191°.
5010 <i>L 0296</i>	--Little Staroya.	61° 33.0' N 4° 56.0' E	Fl.G. period 5s	16 5	1	Post.	Private light.

* * * 49/03

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*12879.01 <i>C 3805.7</i>	Rohuneeme Range, front.	59° 33.5' N 24° 47.6' E	Oc.R. period 3s lt. 2.5s, ec. 0.5s	15 5	2	Red post, black stripe, white trapezoidal daymark; 10.	49/03
*12879.02 <i>C 3805.71</i>	-Rear, 92 meters 137°12' from front.	59° 33.5' N 24° 47.6' E	Oc.R. period 3s lt. 2.5s, ec. 0.5s	23 7	2	Red post, black stripe, white trapezoidal daymark; 20.	49/03
*12879.03 <i>C 3805.5</i>	-Pier, head.	59° 33.5' N 24° 47.6' E	Fl.G. period 3s fl. 1s, ec. 2s	16 5	2	Green metal post; 10.	49/03

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SECTION II

NM 49/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 49/03

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
NIMA HYDRO CATALOG CATP2V01U								
Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48/03	SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02;24,25,27,28, 29,30,32,35,36,37, 39,44,48/03	SDPUB191	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02;2,9,12,15,18, 22/03
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30,32, 33,34,44,48/03	SDPUB132	2000	30,32,41/03 39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	SDPUB193	2000	27*,38,49/00,9,26, 27,31,32/01;14,15, 26,52/02;18,19,20, 23,29/03
Region 3	2002	1/03*	SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22,23,24,25,26, 31,32,34,37,42, 43/03	SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32, 33,41,43,46,49/03
Region 4	2002	1*,23,43/03	SDPUB144	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12,15,19, 21,22,23,24,25,26, 31,32,34,37,42, 43/03	SDPUB200	2002	38*,39,42/02;22,27, 34,41/03
Region 5	2002	1*,3,5,8,22,27,30, 33,38,48/03	SDPUB147	2001	35/01*:21,22,23, 24/02;39,40,41, 46/03	USCG LIGHT LIST VOLUMES I - VII		
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28,30,33, 38/03	SDPUB148	2001	48/01*:23,24/02;22, 42,43,45,48/03	COMDTM165021	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 36,37,38,39,40,41, 42,43,44,45,48/03
Region 7	2002	1*,11,15,28/03	SDPUB153	2000	6/01*:30,31,35/01; 1,15,43/02	COMDTM165022	2003	17*,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,32,33,34, 35,36,37,38,39,40, 41,42,43,44,45,46, 47,48,49/03
Region 8	2002	1*,14,37,41,46/03	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30,41,42,47/03	COMDTM165023	2003	17*,18,19,20,21,23, 24,25,26,28,29,31, 32,33,34,35,36,37, 38,39,41,43,44,45, 46,47,48,49/03
Region 9	2002	1*,34,40,43,45, 48/03	SDPUB155	2001	31*,48/01;10,45, 46/02	COMDTM165024	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49/03
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32,33,34, 36,37,38,39,41,42, 43,45,46,47,48, 49/03	SDPUB157	2002	42*,48/02	COMDTM165025	2002	16/02*
LLPUB110	2003	7*,8,9,11,13,14,15, 16,17,18,20,21,23, 24,25,26,27,28,29, 31,32,33,34,36,37, 38,39,41,42,43,44, 47,49/03	SDPUB159	2002	42*,48,49,52/02;6,8, 10,11,19,21,22,23, 30,33,36,39,41,43, 48,49/03	COMDTM165026	2003	18*,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49/03
LLPUB111	2003	33*,34,35,36,37,38, 39,40,41,43,45,47, 49/03	SDPUB160	2002	23*,24,44,47,48/02; 5,12/03	COMDTM165027	2003	18*,20,21,22,23,24, 26,27,28,30,31,32, 33,34,35,36,37,38, 39,40,43,44,46,47, 48,49/03
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,31,32,33,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48/03	SDPUB161	2002	30/00*:31,33,36/01; 8,28/03	FLEET GUIDES		
LLPUB113	2003	46*,48,49/03	SDPUB162	2001	51/01*:5,12/03	FGPUB940ATL	2001	N47/01*
LLPUB114	2003	17*,19,21,22,23,24, 27,31,32,40,43,44, 46/03	SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31,39,40, 41,43,47,48/03	FGPUB941PAC	2001	N22/01*
LLPUB115	2003	42*,44,46,47,48, 49/03	SDPUB164	2000	30/00*:31,33,36/01; 8,28/03	NOS MISCELLANEOUS PUBLICATIONS		
LLPUB116	2003	24*,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,47,48, 49/03	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26,41/03	NOSPBCATALOG01	2000	20/00*
LLPUB117	2003	42*,44,46,47,48, 49/03	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22,23, 25,26,27,28,29,31, 32,33,34,35,37,38, 39,40,43,44,45,46, 47,48/03	NOSPBCATALOG02	2000	34/00*
LLPUB118	2003	42*,44,46,47,48, 49/03	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27,32,33,34, 37,38,49/03	NOSPBCATALOG03	2000	28/00*
LLPUB119	2003	42*,44,45,47,48, 49/03	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02; 30,39,40,41,43/03	NOSPBCATALOG04	2000	34/00*
SAILING DIRECTIONS			SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02; 26,27,29,32,37,38, 43,47/03	ALMANACS		
CDPUBSD125	2003	19*,43,49/03	SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17,21, 24,42,44,47,48, 49/03	AIRALMANAC401	2004	29/03*
CDPUBSD127	2003	39/03*	SDPUB181	2002	38*,39/02	NAUTALMANAC04	2004	29/03*
CDPUBSD131	2002	9/03*	SDPUB182	2001	8*,10,12,41/02; 17/03	COAST PILOT		
CDPUBSD143	2003	46/03*	SDPUB183	2001	27/01*:13,15,16/02; 18/03	NOSPBCP1	33	27*,28,29,32,33,34, 39,42,46,48/03
CDPUBSD146	2002	4/03*				NOSPBCP2	32	17*,18,21,22,26,28, 30,32,33,35,36,39, 42,43,45/03
CDPUBSD157	2003	17/03*				NOSPBCP3	36	34*,36,42,43,44,46, 48/03
CDPUBSD158	2003	24/03*				NOSPBCP4	35	34*,36,39,42,44,46, 47/03
CDPUBSD192	2003	32*,36,38,39,40,41, 42,43/03				NOSPBCP5	30	2*,6,10,12,14,18,20, 27,30,32,35,36,37, 39,42/03
CDPUBSD194	2002	6*,8,15,17,30,33,35, 37,38,39,40/03				NOSPBCP6	33	23*,27,29,32,34,39, 42,46,48/03
SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23,29,30,31,41, 42,44,45/03				NOSPBCP7	35	37*,38,39,42,44,45, 48/03
SDPUB123	2001	45*,47,48,01;1,14, 17,18,19/02;24,25, 27,28,32,38,42/03						

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 49/03**

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.		
NOSPBCP8	25	32*,33,34,39,42, 48/03		
NOSPBCP9	21	30*,32,33,36,39,42, 48/03		
RADIO NAVIGATIONAL AIDS				
RAPUB117	2002	50/02*;13/03		
AMERICAN PRACTICAL NAVIGATOR				
NVPUB9	2002	36/02*;14,38/03		
INTERNATIONAL CODE OF SIGNALS				
CDPUBNV102	2003	20/03*		
WORLD PORT INDEX				
NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03		
DISTANCES BETWEEN PORTS				
NVPUB151	2001	4/02*		
RADAR NAVIGATION AND MANEUVERING BOARD MANUAL				
CDPUBNV1310	2001	51/01*		
SIGHT REDUCTION TABLES (MARINE)				
SRPUB229V1	1970	11/71*		
SRPUB229V2	1970	11/71*		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
SIGHT REDUCTION TABLES (AIR)				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
CHART NO. 1				
WOBZC1	1997	18/98*		
CHART NO. 4				
WOBZC4	1988	N23/91*		
ATLAS OF PILOT CHARTS				
NVPUB106	2002	42/03*		
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTTCWPACIN3	2003	N4/03*		
NOSPBTTECSTNSA3	2003	N4/03*		
NOSPBTTEURAFR3	2003	N4/03*		
NOSPBTWCSTNSA3	2003	N4/03*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN3	2003	N4/03*		
NOSPBTCTPACAS3	2003	N4/03*		

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 191200Z November 2003:

2003 series	387(GEN)	431(11,26)	443(GEN)
108(26,27)	420(24)	441(GEN)	447(GEN)

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

NAVAREA IV WARNINGS issued from 131200Z to 191200Z November 2003.

444/03 thru 446/03. CANCELED.

447/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 141000Z NOV 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 420(24), 431(11,26), 437(11,26), 440(11),
441(GEN), 442(12,13), 443(GEN), 446(GEN).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL NAVAREA IV 425/03, 439/03.

(141010Z NOV 2003)

SECTION III

HYDROLANTS

Messages in force 191200Z November 2003:

2000 series	2003 series	1606(24)	1963(53)	2122(24)	2155(37)
2937(38)	41(37)	1620(53,56)	1995(53)	2124(54)	2158(24)
3762(43)	67(37)	1647(51,52)	1999(23)	2126(52,53)	2159(57,61)
4265(44)	544(55)	1731(35)	2004(24)	2128(GEN)	2161(53)
2001 series	604(26,27)	1780(51,52)	2021(53)	2129(24)	2162(37)
611(44)	738(35)	1833(37)	2031(55)	2130(24)	2163(53)
2700(37)	754(37)	1834(22)	2035(37)	2133(52,53)	2164(GEN)
3161(44)	867(37)	1863(37)	2046(53)	2142(GEN)	2166(53)
2002 series	1117(37)	1907(36,37)	2049(53)	2143(52)	2167(53)
245(GEN)	1242(24)	1912(55)	2053(37)	2144(22)	2168(57)
246(GEN)	1255(44)	1940(54)	2054(36,37)	2146(54,56)	2170(24)
2203(51)	1291(37)	1944(53)	2058(24)	2149(36,37)	2171(24)
2682(51)	1374(52,53)	1946(56)	2081(36,37,51)	2150(24)	2172(24)
2848(37)	1422(53)	1948(24)	2083(53,54)	2151(24)	2173(23,24)
2869(52)	1472(35)	1958(GEN)	2111(53)	2152(24)	
2882(54)	1522(51,52)	1960(GEN)	2116(24)	2153(24)	
2883(54)	1553(37)	1961(37)	2118(57)	2154(51)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

HYDROLANT WARNINGS issued from 131200Z to 191200Z November 2003.

2135/03 thru 2141/03. CANCELED.

2142/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 141000Z NOV 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 1907(36,37), 1912(55), 1930(54), 1940(54), 1944(53), 1946(56), 1948(24), 1958(GEN), 1960(GEN), 1961(37), 1963(53), 1992(24), 1995(53), 1999(23), 2002(54,56), 2004(24), 2021(53), 2031(55), 2035(37), 2046(53), 2049(53), 2053(37), 2054(36,37), 2057(24), 2058(24), 2079(53), 2081(36,37,51), 2083(53,54), 2095(23), 2098(24), 2110(53), 2111(53), 2112(53), 2113(35), 2116(24), 2117(56), 2118(57), 2122(24), 2124(54), 2126(52,53), 2128(GEN), 2129(24), 2130(24), 2131(24), 2132(52,53), 2133(52,53), 2134(55), 2140(GEN), 2141(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL HYDROLANT 1676/03, 2012/03, 2033/03, 2094/03.

(141040Z NOV 2003)

2143/03(52). TUNISIA-EAST COAST.

CHART 52164 (2ND ED).

DANGEROUS WRECK IN 34-07N 010-35E.

(141240Z NOV 2003)

2144/03(22). SOUTH ATLANTIC. ARGENTINA.

CHART 22036 (28TH ED).

PLATFORM ESTABLISHED IN 52-45.43S 067-13.17W.

THREE MILE BERTH REQUESTED.

(141520Z NOV 2003)

2145/03. CANCELED.

2146/03(54,56). EASTERN MEDITERRANEAN SEA.

1. UNDERWATER OPERATIONS 18 THRU 22 NOV BY M/V LE SUROIT
IN AREA BOUND BY 33-38.5N 034-15.0E,
34-35.0N 034-52.5E, 34-35.0N 035-18.0E.
2. CANCEL HYDROLANT 2002/03.
3. CANCEL THIS MSG 23 NOV.

(142055Z NOV 2003)

2147/03 and 2148/03. CANCELED.

SECTION III

2149/03(36,37). NORTH ATLANTIC.

1. DERELICT VESSEL ADRIFT VICINITY 48-31N 008-01W
AT 151428Z NOV.
2. CANCEL HYDROLANT 2134/03(55), OPERATIONS CANCELED.
3. CANCEL THIS MSG 22 NOV.

(152225Z NOV 2003)

2150/03(24). BRAZIL-EAST COAST.

CHART 24190 (15TH ED).
BELMONTE LIGHT 15-51.8S 038-52.6W UNLIT.

(160509Z NOV 2003)

2151/03(24). BRAZIL-NORTH COAST.

CHART 24320 (4TH ED).

1. DGPS STATION AT CANIVETE RADIOBEACON 00-30.6N 050-24.9W
AT REDUCED POWER 152100Z TO 202100Z NOV.
2. CANCEL THIS MSG 202200Z NOV.

(160529Z NOV 2003)

2152/03(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 200159Z NOV
BY M/V CGG HARMATTAN TOWING SIX 6000 METER
LONG CABLES ALONG TRACKLINE BETWEEN
25-24S 045-06W AND 25-56S 046-00W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 200259Z NOV.

(160545Z NOV 2003)

2153/03(24). BRAZIL-EAST COAST.

1. OCEANOGRAPHIC OPERATIONS 19 THRU 27 NOV
BY M/V ANTARES IN AREA BOUND BY
19-40S 039-30W, 19-00S 029-30W,
18-00S 029-30W, 15-00S 038-40W.
THREE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 28 NOV.

(160600Z NOV 2003)

2154/03(51). NORTH ATLANTIC.

1. 13 CONTAINERS ADRIFT VICINITY 35-13.4N 008-42.4W
AT 161315Z NOV.
2. CANCEL THIS MSG 23 NOV.

(161555Z NOV 2003)

2155/03(37). ENGLISH CHANNEL.

SALVAGE OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
VICINITY 49-36.4N 002-12.9W. WIDE BERTH REQUESTED.

(161656Z NOV 2003)

2156/03 and 2157/03. CANCELED.

2158/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 220300Z NOV
BY M/V RAMFORM VIKING TOWING EIGHT 6000 METER
LONG CABLES IN AREA BOUND BY
03-08S 038-46W, 02-39S 038-31W,
02-43S 038-23W, 03-12S 038-38W.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 220400Z NOV.

(170850Z NOV 2003)

2159/03(57,61). SOUTH ATLANTIC.

PERSON REQUIRING MEDICAL ASSISTANCE IN 39-28S 013-24E.
VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL
ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE.
REPORTS TO CAPE TOWN RADIO, TELEX: 9551 1600,
PHONE: 272 1551 0700, FAX: 272 1551 3760.

(171500Z NOV 2003)

2160/03. CANCELED.

2161/03(53). SICILIA-EAST COAST. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1500Z DAILY 18 AND 19 NOV,
ALTERNATE 20 AND 21 NOV IN AREA BETWEEN
36-51N 37-11N AND 015-30E 015-53E.
2. CANCEL HYDROLANT 1801/03(35), AID RESTORED.
3. CANCEL HYDROLANT 2160/03(56).
4. CANCEL THIS MSG 211600Z NOV.

(171700Z NOV 2003)

SECTION III

NM 49/03

2162/03(37). DOVER STRAIT.
CHART 37120 (2ND ED).
FAIRY SOUTH BUOY 51-21N 002-17E UNRELIABLE.

(171800Z NOV 2003)

2163/03(53). TYRRHENIAN SEA. GUNNERY.
1. GUNNERY EXERCISES 200600Z TO 201400Z NOV
IN AREA BOUND BY
39-40-00N 014-30-00E, 39-48-17N 013-40-38E,
39-38-43N 013-29-56E, 39-05-00N 013-30-00E,
38-58-29N 013-44-28E, 38-56-55N 014-47-09E.
2. CANCEL THIS MSG 201500Z NOV.

(171845Z NOV 2003)

2164/03(GEN). SOUTH CAROLINA TO ENGLAND.
11 METER S/V WELSH DRAGON, WHITE HULL, TWO PERSONS ON BOARD,
UNREPORTED HILTON HEAD TO FALMOUTH. LAST KNOWN POSITION
45-50N 032-30W AT 031700Z NOV. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC DEN HELDER, TELEX: 4471088,
PHONE: 31 900 0111, FAX: 312 2365 8358.

(172252Z NOV 2003)

2165/03. CANCELED.

2166/03(53). SARDEGNA-WEST COAST. GUNNERY.
1. GUNNERY EXERCISES 0800Z TO 1500Z DAILY 18 THRU 20 NOV
IN AREA BETWEEN 40-00N 40-20N AND 007-30E 008-00E.
2. CANCEL THIS MSG 201600Z NOV.

(180820Z NOV 2003)

2167/03(53). IONIAN SEA.
1. UNDERWATER OPERATIONS 19 THRU 22 NOV BY
M/V THETIS ALONG TRACKLINE JOINING
37-28.7N 015-24.8E, 36-24.8N 015-25.7E,
36-25.0N 016-00.1E. 3000 METER BERTH REQUESTED.
2. CANCEL THIS MSG 23 NOV.

(181050Z NOV 2003)

2168/03(57). SOUTH ATLANTIC.
F/V HONG IU REPORTS CREWMAN WITH HEAD INJURY
IN 01-20S 010-40W AT 181020Z NOV. VESSELS
IN VICINITY ABLE TO PROVIDE MEDICAL
ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE.
REPORTS TO VESSEL, PHONE: 762 465 550
OR RCC CAPE TOWN, PHONE: 272 1787 2222
OR RCC NORFOLK, PHONE: 757 398 6231.

(181110Z NOV 2003)

2169/03. CANCELED.

2170/03(24). BRAZIL-NORTH COAST.
VESSEL, ORANGE HULL, ONE PERSON ON BOARD, UNREPORTED.
LAST KNOWN POSITION 02-08S 038-18W AT 081635Z NOV.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(190710Z NOV 2003)

2171/03(24). BRAZIL-SOUTHEAST COAST.
1. CABLE REPAIR OPERATIONS IN PROGRESS UNTIL 240937Z NOV
BY CABLESHIP TYCO RESOLUTE VICINITY
20-07.8S 037-56.3W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 2165/03.
3. CANCEL THIS MSG 241037Z NOV.

(190810Z NOV 2003)

2172/03(24). BRAZIL-SOUTH COAST.
MAN OVERBOARD VICINITY 24-04.3S 046-23.5W.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(191010Z NOV 2003)

2173/03(23.24). SOUTH ATLANTIC. URUGUAY.
1. HYDROGRAPHIC SURVEY 211100Z NOV TO 010300Z DEC
BY M/V ROU 22 OYARVIDE IN AREA BETWEEN
35-05.0S 35-09.3S AND 055-35.0W 055-45.0W.
1.5 MILE BERTH REQUESTED.
2. CANCEL THIS MGS 010400Z DEC.

(191050Z NOV 2003)

SECTION III

NM 49/03

NAVAREA XII

Messages in force 191200Z November 2003:

2003 series	310(19)	335(18)	342(GEN)
	262(GEN)	334(GEN)	336(18)
			343(18,21)

The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

NAVAREA XII WARNINGS issued from 131200Z to 191200Z November 2003.

337/03 thru 341/03. CANCELED.

342/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 141000Z NOV 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 310(19), 334(GEN), 335(18), 336(18), 340(GEN).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL NAVAREA XII 315/03, 331/03.

(141020Z NOV 2003)

343/03(18,21). EASTERN NORTH PACIFIC.

1. LORAN-C STATION SEARCHLIGHT, RATES 9610-W AND 9940-Y,
UNUSABLE 191800Z TO 192000Z NOV.
2. CANCEL THIS MSG 192100Z NOV.

(171010Z NOV 2003)

SECTION III

HYDROPACS

Messages in force 191200Z November 2003:

2001 series	761(63)	1646(63)	1801(96)	1892(73)	1962(63)
1976(62)	801(72)	1649(94,97)	1803(74)	1893(73)	1964(22)
2002 series	880(63)	1652(63)	1806(61)	1903(95)	1968(GEN)
205(GEN)	895(62)	1653(63)	1809(62)	1906(19,97)	1970(61)
206(GEN)	960(63)	1655(29)	1811(74)	1908(81)	1971(72)
352(73)	992(62)	1688(62)	1819(61)	1910(71)	1972(GEN)
403(72,73)	993(62)	1697(61)	1820(61)	1911(62)	1973(63)
2191(22)	998(71)	1699(63)	1821(83)	1914(96,97)	1975(73,74)
2199(63)	1041(71)	1700(62)	1829(93)	1922(63)	1977(81)
2330(62)	1110(61)	1732(75)	1834(73,74)	1928(74)	1979(81)
2339(63)	1198(92)	1733(75)	1837(GEN)	1930(81,97)	1980(76,83)
2003 series	1213(73)	1734(74)	1842(61)	1936(63)	1981(95)
167(95)	1220(62)	1735(95,97)	1843(61)	1944(74)	1982(GEN)
197(71)	1222(62)	1736(63)	1857(95)	1946(75)	1983(57,61)
207(62)	1248(63)	1743(63)	1858(94,95)	1948(96)	1984(75)
445(96)	1266(73)	1745(96)	1864(61)	1949(74)	1986(63)
495(62)	1267(73)	1777(63)	1865(95)	1951(63)	1987(63)
496(62)	1330(62)	1781(76,83)	1866(62)	1952(61)	1988(63)
506(62)	1371(71,93)	1782(71)	1867(94,95)	1953(63)	1989(63)
515(73)	1395(62)	1783(74)	1868(94,95)	1954(63)	1990(63)
525(73,74)	1398(74)	1785(96)	1869(95)	1958(74)	1991(73,74)
638(62)	1485(22)	1791(93)	1872(81)	1959(76)	1992(63)
667(62)	1514(62)	1794(62)	1887(81)	1960(74)	1993(63)
760(63)	1518(62)	1799(83,76)	1890(81)	1961(GEN)	1994(74,75)

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.
Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

HYDROPAC WARNINGS issued from 131200Z to 191200Z November 2003.

1963/03. CANCELED.

1964/03(22). CHILE. GUNNERY.

1. GUNNERY EXERCISES 170400Z TO 230400Z NOV
IN AREA BETWEEN 18-21-00S 26-06-20S AND
071-05-00W COASTLINE.
2. CANCEL THIS MSG 230500Z NOV.

(132305Z NOV 2003)

1965/03 thru 1967/03. CANCELED.

1968/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 141000Z NOV 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 1732(75), 1733(75), 1734(74), 1735(95,97),
1736(63), 1743(63), 1745(96), 1777(63), 1781(76,83), 1782(71),
1783(74), 1785(96), 1791(93), 1794(62), 1799(83,76), 1801(96),
1803(74), 1806(61), 1809(62), 1811(74), 1819(61), 1820(61),
1821(83), 1829(93), 1834(73,74), 1837(GEN), 1842(61),
1843(61), 1857(95), 1858(94,95), 1864(61), 1865(95), 1866(62),
1867(94,95), 1868(94,95), 1869(95), 1872(81), 1877(63),
1887(81), 1890(81), 1892(73), 1893(73), 1897(63), 1898(63),
1899(62), 1903(95), 1906(19,97), 1910(71), 1911(62),
1914(96,97), 1922(63), 1928(74), 1930(81,97), 1934(74),
1936(63), 1937(63), 1939(23,29), 1944(74), 1946(75),
1947(75), 1948(96), 1949(74), 1951(63), 1952(61), 1953(63),
1954(63), 1955(22), 1956(22), 1957(81), 1958(74), 1959(76),
1960(74), 1961(GEN), 1962(63), 1964(22), 1967(GEN).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL HYDROPAC 1687/03, 1692/03, 1717/03, 1880/03, 1935/03.

(141050Z NOV 2003)

1969/03. CANCELED.

SECTION III

1970/03(61). MOZAMBIQUE CHANNEL.

1. SURVEY OPERATIONS 170600Z TO 230600Z NOV BY
M/V CHARLES DARWIN ALONG TRACKLINE BETWEEN
17-15S 043-01E AND 16-33S 040-07E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 230700Z NOV.

(142117Z NOV 2003)

1971/03(72). MAKASSAR STRAIT.

1. SEISMIC SURVEY 16 NOV THRU 30 DEC BY
M/V GECO EMERALD TOWING THREE MILE
LONG CABLE IN AREA BOUND BY
00-16S 117-59E, 00-20S 118-06E,
01-14S 117-37E, 01-07S 117-29E.
2. CANCEL THIS MSG 31 DEC.

(142154Z NOV 2003)

1972/03(GEN). NORTH PACIFIC, JAPAN.

1. LORAN-C STATION GESASHI, RATES 8930-W AND 9930-X,
OFF AIR 192359Z TO 200800Z NOV,
ALTERNATE 202359Z TO 210800Z NOV.
2. CANCEL THIS MSG 210900Z NOV.

(151010Z NOV 2003)

1973/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 13 DEC BY
M/V VERITAS SEARCHER TOWING 6000 METER
LONG CABLE IN AREA BOUND BY
20-16.7N 069-59.1E, 19-06.9N 070-20.3E,
19-00.0N 070-27.0E, 19-00.0N 070-37.0E,
19-29.0N 070-37.0E, 19-22.8N 070-50.0E,
20-00.0N 070-50.0E, 20-00.0N 071-04.0E,
20-18.0N 070-52.2E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 1898/03.
3. CANCEL THIS MSG 14 DEC.

(160811Z NOV 2003)

1974/03. CANCELED.

1975/03(73,74). TORRES STRAIT.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY
09-49S 142-43E AT 160808Z NOV. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(161225Z NOV 2003)

1976/03. CANCELED.

1977/03(81). NORTH PACIFIC.

1. DERELICT 19 TON F/V SINTOKU MARUADRIFT
IN 19-31.5N 131-55.6E AT 161523Z NOV.
2. CANCEL THIS MSG 23 NOV.

(162238Z NOV 2003)

1978/03. CANCELED.

1979/03(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 21-54.9N 164-57.6E
AT 170023Z NOV. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC HONOLULU, TELEX: 392401,
PHONE: 808 541 2500, FAX: 808 541 2123.

(170910Z NOV 2003)

1980/03(76,83). SOUTH PACIFIC.

DISTRESS SIGNAL RECEIVED FROM EIGHT METER VESSEL
VICINITY 50-38S 176-05W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
POSSIBLE. REPORTS TO MARITIME OPERATIONS NEW ZEALAND,
INMARSAT-C: 4512 00067, PHONE: 644 914 5663,
FAX: 644 914 5520 OR TAupo MARITIME RADIO.

(170920Z NOV 2003)

1981/03(95). SEA OF JAPAN.

1. CONTAINER ADRIFT IN 40-00.8N 131-00.1E AT 170000Z NOV.
2. CANCEL THIS MSG 24 NOV.

(170950Z NOV 2003)

SECTION III

NM 49/03

1982/03(61). PERSIAN GULF.

1. THREE VESSELS SEIZED FOR SMUGGLING IRAQI OIL OUT OF IRAQ AND HELD BY COALITION NAVAL FORCES ESCAPED FROM CUSTODY IN OCTOBER. ONE OF THESE VESSELS, 45 METER M/V DASHTY HORIZON, HAD BEEN ORDERED CONFISCATED BY THE BASRA CUSTOMS COURT FOR VIOLATION OF IRAQI LAW CONCERNING THEFT AND ILLICIT TRANSPORT OF PROPERTY OF THE IRAQI GOVERNMENT. THE SHIP'S LEGAL OWNER IS NOW THE IRAQI MINISTRY OF JUSTICE. THE OTHER TWO VESSELS, 68 METER M/V AL MUSTAFA AND 24 METER M/V DARGHAN 7, WERE DETAINED AWAITING CONFISCATION HEARINGS BY THE BASRA COURT FOR ALLEGED THEFT OF CRITICAL NATIONAL RESOURCES IN VIOLATION OF IRAQI LAW AND CPA ORDERS.
2. INDIVIDUALS OR COMPANIES CONDUCTING BUSINESS WITH THESE VESSELS ARE ADVISED THEY MAY BE SUBJECT TO CRIMINAL PROSECUTION UNDER IRAQI LAW. ANYONE WITH INFORMATION ON ANY OF THESE VESSELS, PLEASE CONTACT THE MARITIME LIAISON OFFICE (MARLO) IN BAHRAIN, PHONE: 97 374 3925.

(171240Z NOV 2003)

1983/03(57,61). SOUTH ATLANTIC.

PERSON REQUIRING MEDICAL ASSISTANCE IN 39-28S 013-24E. VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE. REPORTS TO CAPE TOWN RADIO, TELEX: 9551 1600, PHONE: 272 1551 0700, FAX: 272 1551 3760.

(171515Z NOV 2003)

1984/03(75). AUSTRALIA-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V ORIENT EXPLORER TOWING 2.5 MILE LONG CABLE IN AREA BETWEEN 38-50S COASTLINE AND 141-55E 142-45E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 1947/03.

(171825Z NOV 2003)

1985/03. CANCELED.

1986/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 200230Z TO 200530Z AND 201230Z TO 201430Z NOV IN AREA BOUND BY 17-42.2N 083-18.6E, 17-42.1N 083-29.9E, 17-36.7N 083-28.5E, 17-32.7N 083-24.3E.
2. CANCEL THIS MSG 201530Z NOV.

(181415Z NOV 2003)

1987/03(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY 19 AND 20 NOV WITHIN 75 MILES OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 201700Z NOV.

(181425Z NOV 2003)

1988/03(63). ANDAMAN SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 210730Z TO 210830Z NOV IN AREA BETWEEN 11-39N 11-24N AND 092-49E 093-03E.
2. CANCEL THIS MSG 210930Z NOV.

(181435Z NOV 2003)

1989/03(63). ANDAMAN SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 190530Z TO 191030Z NOV WITHIN 15 MILES OF 11-40.6N 092-46.0E.
2. CANCEL HYDROPAC 1877/03.
3. CANCEL THIS MSG 191130Z NOV.

(181455Z NOV 2003)

1990/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0800Z TO 1230Z DAILY 18 AND 19 NOV IN AREA BETWEEN 23-00.0N 22-40.0N AND 068-35.5E 068-10.0E.
2. CANCEL THIS MSG 191330Z NOV.

(181720Z NOV 2003)

SECTION III

1991/03(73,74). CORAL SEA.

4.5 METER VESSEL, FOUR PERSONS ON BOARD,
OVERDUE MURRAY ISLAND (09-55S 144-03E)
TO DON CAY (09-35S 144-10E). VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS
TO RCC AUSTRALIA, TELEX: 7162025,
PHONE: 612 6230 6811, FAX: 612 6230 6868.

(190303Z NOV 2003)

1992/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 10 DEC
BY M/V TEKNIK PERDANA TOWING 1500 METER
LONG CABLE IN AREA BOUND BY
2019.3N 067-18.2E, 2020.3N 067-21.5E,
20-17.1N 067-22.5E, 20-16.2N 067-19.2E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 11 DEC.

(190820Z NOV 2003)

1993/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0430Z TO 1030Z DAILY
22 THRU 24 NOV IN AREA BOUND BY
21-25N 087-26E, 21-04N 087-08E,
18-18N 089-34E, 18-39N 089-52E.
2. CANCEL THIS MSG 241130Z NOV.

(190840Z NOV 2003)

1994/03(74,75). INDIAN OCEAN.

DISTRESS SIGNAL RECEIVED ON 406 MHZ VICINITY
36-40S 093-30E AT 190734Z NOV. VESSELS
IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC AUSTRALIA, TELEX: 7162025,
PHONE: 612 6230 6811, FAX: 612 6230 6868.

(190950Z NOV 2003)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 19 November 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 19 November 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION**NOAA PRINT-ON-DEMAND NAUTICAL CHARTS AVAILABLE AT REMOTE PRINT SITES**

Selected Print-on-Demand chart agents have the capability to print charts, on site, from the latest NOAA digital files. In the future, the expectation is to have remote print sites located throughout the United States. Utilizing this remote print capability furthers the mission of providing the maritime industry with the most current information. These NOAA charts, updated by NOAA cartographers to all Notices and critical safety items known to NOAA in advance of publication in a Notice, are distributed by NOAA's partner, OceanGrafix, under the brand name, Charts-on-Demand. For information see oceangrafix.com or nauticalcharts.noaa.gov/pod. For questions contact NOAA at http://help@nauticalcharts.gov.

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

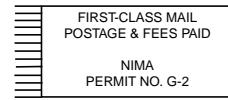
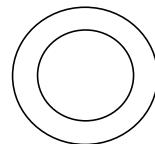
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary)

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

Digitized by srujanika@gmail.com

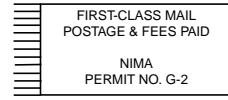
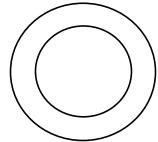
If observed, Date _____ Time (Local) _____

Latitude Longitude Datum

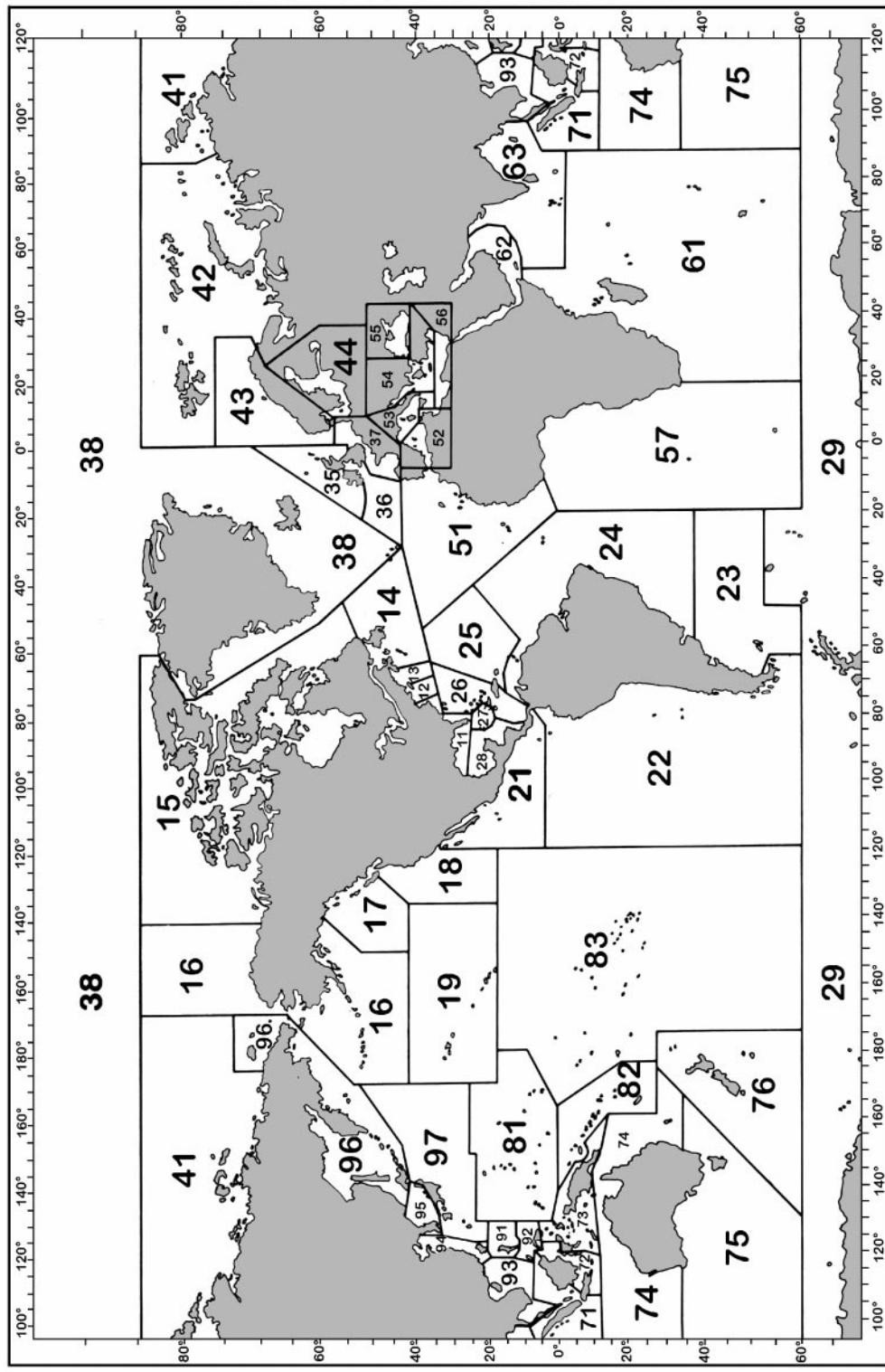
Verified by Navigator: Yes No



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

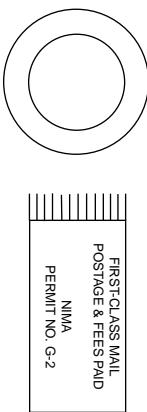
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT
NAVIGATIONAL INFORMATION
TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY